

EXPRESS TERMS

ITEM 20-1 AS SUBMITTED

MATRIX ADOPTION TABLE FOOTNOTE:

The ♦ designation indicates that the State Fire Marshal's adoption of this chapter or individual sections is applicable to structures subject to HCD 1 and/or HCD 2 (See Section 101.11.8).

CHAPTER 1 – Administration, Sections 101.0 – 103.8

The Department is proposing the adoption of only those sections listed below with amendment.

101.1.2 [For HCD 1 & HCD 2] California Plumbing Code. This document shall be known as the "California Plumbing Code." Where a reference to the Uniform Plumbing Code or UPC appears in the text of this code, the reader shall understand the reference to be to the California Plumbing Code at Part 5 of Title 24, California Code of Regulations. The provisions contained in the California Plumbing Code of the (compiled) California Building Standards Code as defined in Section 18910, Health and Safety Code, may be cited as such and are referred to hereafter as "these regulations", "these plumbing standards" or "this code".

101.2.2 [For HCD 1 & HCD 2] California Purpose. To provide minimum standards to safeguard life or limb, health, property and public welfare, and protect against hazards that may arise from the use of plumbing piping and systems by regulating and controlling the design, construction, installation, quality of materials, location and operation of plumbing piping systems within the State of California.

101.4.0 [For HCD 1 & HCD 2] Application. The provisions of this code shall apply to the construction, alteration, moving, demolition, repair and use of all plumbing, gas, or drainage piping and systems or water heating or treating equipment in or on any building or structure or outdoors on any premises or property.

101.4.1.1.1.1 [For HCD 1 & HCD 2] Any plumbing system may have its existing use, maintenance or repair continued when the administrative authority Enforcing Agency determines that its use, maintenance or repair is in accordance with the original design and no hazard to the public health, safety or welfare has been created by such system.

101.4.1.1.2.1 [For HCD 1 & HCD 2] Existing building sewer and building drains may be used in connection with plumbing alterations or repairs if such sewer or drains have been properly maintained and were installed in accordance with the applicable laws in effect at the time of installation. Any plumbing system existing on January 1, 1975, shall be deemed to have conformed to applicable law in effect at the time of installation and to have been maintained in good condition if currently in good and safe condition and working properly.

101.4.1.1.3.1 [For HCD 1 & HCD 2] Effective January 1, 1990, in new construction and those existing facilities for which occupancy type are listed in Tables 4-1 and 4-4 for public use, which apply for a permit to undertake construction, structural alterations, repairs or improvement which exceed 50 percent of the square footage of the entire facility, shall install water closets, urinals, lavatories and drinking fountains as stipulated in Tables 4-1 and 4-4 for public use. Community and/or municipal parks with a bleacher capacity not exceeding 500 seats shall be exempt from the requirements of this section and Tables 4-1 and 4-4.

Note 1: [For HCD 1 HCD 1A/C & HCD 2] Each common use restroom shall comply with Chapter 11A and each public restroom shall comply with Chapter 46 11B of the California Plumbing Building Code, (California Code of Regulations, Title 24, Part 5 2).

ITEM 20-1 – Committee Recommendations



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APPROVED AS SUBMITTED


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(END OF ITEM)

ITEM 20-2 AS RESUBMITTED

101.4.1.4.2 [For HCD 1/AC HCD 1 & HCD 2] Conflicts Between Codes. When the requirements of this code conflict with the requirements of the California Building Code, Title 24, Part 2 the most restrictive requirement shall prevail. ~~When the requirements of this code conflict with the requirements of the California Mechanical Code, Title 24, Part 4, the California Mechanical Code shall prevail.~~

ITEM 20-2 – Committee Recommendations

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APPROVED AS RESUBMITTED

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(END OF ITEM)

ITEM 20-3 AS SUBMITTED


101.4.4 [For HCD 1 & HCD 2] Effective Date. One hundred and eighty days after the date of publication, or as otherwise noted herein.

101.4.4.1 [For HCD 1 & HCD 2] The applicable subsection of Health and Safety Code Section 18938 is repeated here for clarity and reads as follows:

Section 18938 (b) The building standards contained in the Uniform Fire Code of the International Conference of Building Officials and the Western Fire Chiefs Association, Inc., the Uniform Building Code of the International Conference of Building Officials, Appendix Chapter 1 of the Uniform Code for Building Conservation of the International Conference of Building Officials, the Uniform Plumbing Code of the International Association of Plumbing and Mechanical Officials, the National Electrical Code of the National Fire Protection Association, and the Uniform Mechanical Code of the International Conference of Building Officials and the International Association of Plumbing and Mechanical Officials, as referenced in the California Building Standards Code, shall apply to all occupancies throughout the state and shall become effective 180 days after publication in the California Building Standards Code by the California Building Standards Commission or at a later date after publication established by the commission.

101.4.4.2 [For HCD 1 & HCD 2] The provisions of the model code which are adopted by these regulations in this code are applicable to all occupancy groups and uses regulated by this code. The amendments to the model code are applicable only to those occupancies or uses which the State agency adopting, or proposing adoption of, the amendments is authorized to regulate as listed in Section 101.11.

ITEM 20-3 – Committee Recommendations

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(END OF ITEM)


ITEM 20-4 AS SUBMITTED

101.4.5 [For HCD 1 & HCD 2] Availability of Codes. A subsection of Health and Safety Code Section 18942 is repeated here for clarity and reads as follows:

Section 18942(d) (1) Each city, county, and city and county, including charter cities, shall obtain and maintain with all revisions on a current basis, at least one copy of the building standards and other state regulations relating to buildings published in Titles 8, 19, 20, 24, and 25 of the California Code of Regulations. These codes shall be maintained in the office of the building official responsible for the administration and enforcement of this part.

(2) This subdivision shall not apply to any city or county which contracts for the administration and enforcement of the provisions of this part with another local government agency that complies with this section.

ITEM 20-4 – Committee Recommendations

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(END OF ITEM)

101.5.1.1 [For HCD 1] Additions, Alterations or Repairs. The alteration, repairs, replacement, occupancy, use and maintenance provisions are superseded, in part, by "The State Housing Law, Health and Safety Code", Division 13, Part 1.5, Sections 17912, 17920.3, 17922 @, 17958.8 and 17958.9 and California Code of Regulations, Title 25, Chapter 1 (commencing with Article 1). For clarification purposes Health and Safety Code Section 17958.8 is repeated here for clarity and reads as follows:

Section 17958.8 ~~Local ordinances or regulations governing alterations and repair of existing buildings shall permit the replacement, retention, and extension of original materials and the use of original methods of construction as long as the hotel, lodging house, motel, apartment house, or dwelling, or portions thereof, or building and structure accessory thereto, complies with the provisions published in the State Building Standards Code and the other rules and regulations of the department or alternative local standards adopted pursuant to Section 17920.7 and does not become or continue to be a substandard building.~~

Section 17958.8 Local ordinances or regulations governing alterations and repair of existing buildings shall permit the replacement, retention, and extension of original materials and the use of original methods of construction for any building or accessory structure subject to this part, including a hotel, lodginghouse, motel, apartment house, or dwelling, or portions thereof, as long as the portion of the building and structure subject to the replacement, retention, or extension of original materials and the use of original methods of construction complies with the building code provisions governing that portion of the building or accessory structure at the time of construction, and the other rules and regulations of the department or alternative local standards governing that portion at the time of its construction and adopted pursuant to Section 13143.2 and the building or accessory structure does not become or continue to be a substandard building.

101.5.6 [Not adopted by HCD] Moved Buildings. Plumbing systems which are part of buildings or structures moved into this jurisdiction shall comply with the provisions of this Code for new installations except as provided for in Section 103.5.5.2.

~~101.5.6.2~~ **101.5.6.1 [For HCD 1] Moved Buildings.** Moving of apartment houses and dwellings. Health and Safety Code Section 17958.9 is repeated here for clarity and reads as follows:

Section 17958.9 Local ordinances or regulations governing the moving of apartment houses and dwellings shall, after July 1, 1978, permit the retention of existing materials and methods of construction so long as the apartment house or dwelling complies with the building standards for foundation applicable to new construction, and does not become or continue to be a substandard building.

101.6 [For HCD 1 & HCD 2] Non- Building Regulations. Requirements contained in the U.P.C., or in any other referenced standard, code, or document which are not building standards ~~a~~ as defined is in Section 18909, Health and Safety Code, shall not be construed as part of the provisions of this code.

101.7 [For HCD 1 & HCD 2] Order of Precedence. Where, in any specific case, different sections of this code specify different materials, methods of construction or other requirements, the most restrictive shall govern. When there is a conflict between a general and a specific requirement, the specific requirement shall apply.

101.8 [For HCD 1 & HCD 2] Format. This part fundamentally adopts the U.P.C. by reference on a chapter-by-chapter basis. Such adoption is reflected in the adoption tables of each chapter of this part. When the adoption table of a chapter of this part makes no reference to a specific chapter of the U.P.C., such chapter of the U.P.C. is not adopted as a portion of this code.

101.9 [For HCD 1 & HCD 2] Validity. If any chapter, section, subsection, sentence, clause or phrase of this code is for any reason held to be unconstitutional, contrary to statute, exceeding the authority of the State as stipulated by statutes, or otherwise inoperative, such decision shall not affect the validity of the remaining portion of this code.

101.10.1 [For HCD 1 & 2 HCD 1 & HCD 2] The codes, standards and publications, adopted and set forth in this code, including other codes, standards and publications referred to therein, by title and date of publication, are hereby adopted as standard reference documents of this code.

101.10.2 [For HCD 1, HCD 1/AC, HCD 2 & HCD 2/SFM For HCD 1, HCD 2 & SFM] When this code does not specifically cover any subject relating to building design and construction, recognized fire-prevention engineering practices shall be employed. The National Fire Codes and the Fire Protection Handbook of the National Fire Protection Association may be used as authoritative guides in determining recognized fire-prevention engineering practices.

ITEM 20-5 – Committee Recommendations



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(END OF ITEM)

101.11 [For HCD 1, HCD 1/AC & ~~HCD 2/SFM HCD 2~~ Application-Vesting Authority. When adopted by a State agency, the provisions of this code shall be enforced by the appropriate enforcing agency, but only to the extent of authority granted to that agency by the State Legislature.

~~Following is a list of the state agencies that adopt building standards, the specific scope of application of the agency responsible for enforcement, and the specific authority of each agency to adopt and enforce these provisions of building standards of this code, unless otherwise stated.~~

~~Following is a list of the state agencies that adopt building standards or on whose behalf building standards are adopted, the specific scope of application of the agency responsible for enforcement, and the specific statutory authority of each agency to propose or adopt and enforce those building standards, unless otherwise stated.~~

101.11.8 [For HCD]

HCD – Department of Housing and Community Development.

101.11.8.1 [For ~~HCD 1~~ HCD 1]

~~**[HCD 1] —Department of Housing and Community Development.**~~

~~[HCD 1] —Department of Housing and Community Development.~~

~~Application — Hotels, motels, timeshares, lodging houses, apartment houses, dwellings, dormitories, condominiums, shelters for homeless persons, congregate residences, employee housing, factory-built housing and any other ~~type~~ types of dwelling dwellings containing sleeping accommodations with or without common toilet or cooking facilities. Refer to Section ~~404.14.4~~ 101.11.13 of this code, Office of the State Fire Marshall~~

101.11.8.2 [For HCD 1A/C]

~~**[HCD 1/AC] —Department of Housing and Community Development Access Compliance.**~~

~~[HCD 1/AC] —Department of Housing and Community Development Access Compliance.~~

~~Application —Whenever the identification “HCD 1/AC” appears in this code, it shall meant the Department of Housing and Community Development requires specific accommodations for “persons with physical disabilities,” as defined in Section 1102A.16-P of the California Code of Regulations, Title 24, Part 2, also known as the California Building Code. The application of this code, shall apply only to “Covered Multifamily Dwellings,” as defined in Section 1102A.3-C of the California Building Code, including but not limited to the following:~~

- ~~1. Apartment buildings with 3 or more dwelling units.~~
- ~~2. Condominiums with 4 or more dwelling units.~~
- ~~3. Lodging houses, as defined in Section 213, of the California Building Code, when used as a residence with 3 or more guest rooms.~~
- ~~4. Congregate residences, as defined in Section 204 of the California Building Code.~~
- ~~5. Dwellings with 3 or more efficiency units, as defined in Section 205 of the California Building Code or Health and Safety Code Section 17958.1.~~
- ~~6. Shelters for the homeless not otherwise subject to the disabled access regulations of the Division of the State Architect — Access Compliance (commencing with Section 1111B of the California Building Code).~~
- ~~7. Dormitories, as defined in Section 205 of the California Building Code.~~
- ~~8. Time-Share Dwellings with 3 or more units, except for condominiums covered in item number 2 above.~~
- ~~9. Other Group R Occupancies in multifamily dwellings, which are established by the Office of the State Fire Marshal (commencing with Section 310 of the California Building Code).~~

~~The HCD 1/AC disabled access regulations do not apply to the alteration, repair, rehabilitation, or additions to existing Group R Occupancies that were constructed and occupied prior to July 15, 1992. The HCD 1/AC regulations generally do not cover public accommodation occupancies, such as hotels and motels.~~

~~Buildings or portions of buildings of the same or similar occupancies, or mixed occupancies, and buildings accessory to them, may be subject to the disabled access regulations adopted by the Division of the State Architect — Access Compliance.~~

~~Application— Covered multifamily dwelling units and common use areas as defined in Chapter 11A of the California Building Code including but not limited to lodging houses, dormitories, timeshares, condominiums, shelters for homeless persons, congregate residences, apartment houses, dwellings, employee housing, factory-built housing and other types of dwellings containing sleeping accommodations with or without common toilet or cooking facilities which are not transient lodging as defined in Chapter 11A of the California Building Code and subject to the requirements of the Division of the State Architect, Access Compliance (DSA/AC).~~

Note: Accessibility requirements for persons with disability are located in Chapter 11A of the California Building Code.

101.11.8.3 [For HCD 2]

For HCD 2—Department of Housing and Community Development

HCD 2 – Department of Housing and Community Development

Application – Permanent buildings and permanent accessory buildings and structures constructed within in mobilehome parks and ~~special-occupancy~~ special occupancy parks, which are permanent facilities under the control and ownership of the park operator.

ITEM 20-6 – Committee Recommendations

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APPROVED AS RESUBMITTED

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(END OF ITEM)

ITEM 20-7 AS RESUBMITTED

101.12 [For HCD 1] Local Variances. The applicable subsection of Health and Safety Code Section 17958.5 is repeated here for clarity and reads as follows:

Section 17958.5 Except as provided in Section 17922.6, in adopting the ordinances or regulations pursuant to Section 17958, a city or county may make such changes or modification in the requirements contained in the provisions published in the California Building Standards Code and the other regulations adopted pursuant to Section 17922 as it determines, pursuant to the provisions of Section 17958.7, are reasonably necessary because of local climatic, geological, or topographical conditions.

For purposes of this subdivision, a city and county may make reasonably necessary modifications to the requirements, adopted pursuant to Section 17922, contained in the provisions of the code and regulations on the basis of local conditions.

101.13 [For HCD 1] Findings, Filings, and Rejection of Modifications. The applicable subsections of Health and Safety Code Section 17958.7 are repeated here for clarity and read as follows:

Section 17958.7 (a) Except as provided in Section 17922.6, the governing body of a city or county, before making any modifications or changes pursuant to Section 17958.5, shall make an express finding that such modifications or changes are reasonably necessary because of local climatic, geological or topographical conditions. Such a finding shall be available as a public record. A copy of those findings, together with the modification or change expressly marked and identified to which each finding refers, shall be filed with the California Building Standards Commission. No modification or change shall become effective or operative for any purpose until the finding and the modification or change have been filed with the California Building Standards Commission.

(b) The California Building Standards Commission may reject a modification or change filed by the governing body of a city or county if no finding was submitted.

17958.7. (a) Except as provided in Section 17922.6, the governing

101.14 [For HCD 1 & HCD 2] Ratification by City Council or County Board of Supervisors. The applicable subsections of Health and Safety Code Section 13869.7 are repeated here for clarity and read as follows:

Section 13869.7 (a). Any fire-protection district organized pursuant to Part 2.7 (commencing with Section 13800) of Division 12 may adopt building standards relating to fire and panic safety that are more stringent than those building standards adopted by the State Fire Marshal and contained in the California Building Standards Code. For these purposes, the district board shall be deemed a legislative body and the district shall be deemed a local agency. Any changes or modifications that are more stringent than the requirements published in the California Building Standards Code relating to fire and panic safety shall be subject to subdivision (b) of Section 18941.5.

(b) Any fire protection district that proposes to adopt an ordinance pursuant to this section shall, not less than 30 days prior to noticing a proposed ordinance for public hearing, provide a copy of that ordinance, together with the adopted findings made pursuant to subdivision (a), to the city, county, or city and county where the ordinance apply. The city, county, or city and county, may provide the district with written comments, which shall become a part of the fire protection district's public hearing record.

© The fire protection district shall transmit the adopted ordinance to the city, county, or city and county where the ordinance will apply. The legislative body of the city, county, or city and county, may ratify, modify, or deny an adopted ordinance and transmit its determination to the district within 15 days of the determination. Any modification or denial of an adopted ordinance shall include a written statement describing the reasons for any modifications or denial. No ordinance adopted by the district shall be effective until ratification by the city, county, or city and county where the ordinance will apply. Upon ratification of an adopted ordinance, the city, county, or city and county, shall file a copy of the findings of the district, and any findings of the city, county, or city and county, together with the adopted ordinance expressly marked and identified to which each finding refers, with the Department of Housing and Community Development.

ITEM 20-7 – Committee Recommendations

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APPROVED AS RESUBMITTED

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(END OF ITEM)

ITEM 20-8 AS SUBMITTED

102.2.1.2 [For HCD 1] [For HCD 1 & HCD 2] City or County Building Departments. *The applicable subsection of Health and Safety Code Section 17960 is repeated here for clarity and reads as follows:*

Section 17960. *The building department of every city or county shall enforce within its jurisdiction all the provisions published in the State Building Standards Code, the provisions of this part, and the other rules and regulations promulgated pursuant to the provisions of this part pertaining to the erection, construction, reconstruction, movement, enlargement, conversion, alteration, repair, removal, demolition, or arrangement of apartment houses, hotels, or dwellings.*

102.2.1.2.1 [For HCD 1] State Housing Law *The applicable subsection of Health and Safety Code Section 17960 is repeated here for clarity and reads as follows:*

17960. *The building department of every city or county shall enforce within its jurisdiction all the provisions published in the State Building Standards Code, the provisions of this part, and the other rules and regulations promulgated pursuant to the provisions of this part pertaining to the erection, construction, reconstruction, movement, enlargement, conversion, alteration, repair, removal, demolition, or arrangement of apartment houses, hotels, or dwellings.*

Note: [For HCD 1] *See Section 101.11.8.1 of this code.*

102.2.1.2.2 [For HCD 1] Employee Housing Act. *Refer to the Employee Housing Act, California Health and Safety Code, Division 13, Part 1 (commencing with Section 17000) and California Code of Regulations, Title 25, Division 1, Chapter 1 (commencing with Section 600) for employee housing administrative and enforcement authority, permits, fees, violations, inspections, and penalties.*

Note: [For HCD 1] *See Section 101.11.8.1 of this code.*


102.2.1.2.3 [For HCD 1] Factory-Built Housing. *Refer to the California Factory-Built Housing Law, California Health and Safety Code, Division 13, Part 6 (commencing with Section 19960) and the California Code of Regulations, Title 25, Division 1, Chapter 3 (commencing with Section 3000) for factory-built housing administrative and enforcement authority, permits, fees, violations, inspections and penalties.*

Note: [For HCD 1] *See Section 101.11.8.1 of this code.*

102.2.1.2.4 [For HCD 2] Mobilehome Parks Act and Special Occupancy Parks Act *Refer to the Mobilehome Parks Act, California Health and Safety Code, Division 13, Part 2.1 (commencing with Section 18200) and California Code of Regulations, Title 25, Division 1, Chapter 2 (commencing with Section 1000) for administrative and enforcement authority, permits, plans, fees, violations, inspections and penalties. Refer to the Special Occupancy Parks Act, Health and Safety Code, Division 13, Part 2.3 (commencing with Section 18860) and California Code of Regulations, Title 25, Division 1, Chapter 2.2 (commencing with Section 2000) for administrative and enforcement authority, permits, plans, fees, violations, inspections and penalties.*

Note: [For HCD 2] *See Section 101.11.8.3 of this code.*

ITEM 20-8 – Committee Recommendations

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APPROVED AS SUBMITTED

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(END OF ITEM)

ITEM 20-9 AS SUBMITTED

102.2.2.2 [For HCD1] Authority to Enter and Inspect Premises. *Health and Safety Code Section Sections 17050(i) and 17970 is are repeated here for clarity and reads read as follows:*

Section 17050(i). *The enforcement agency may*

(1) Enter public or private properties to determine whether there exists any employee housing to which this part applies.

(2) Enter and inspect all employee housing wheresoever situated, and inspect all accommodations, equipment, or paraphernalia connected therewith.

(3) Enter and inspect the land adjacent to the employee housing to determine whether the sanitary and other requirements of this part, the building standards published in the California Building Standards Code relating to employee housing, and the other rules and regulations adopted pursuant to this part have been or are being complied with.

Section 17970. *Any officer, employee, or agent of an enforcement agency may enter and inspect any building or premises whenever necessary to secure compliance with, or prevent a violation of, any provision of this part, the building standards published in the State [California] Building Standards Code, and other rules and regulations promulgated pursuant to the provisions of this part which the enforcement agency has the power to enforce.*

102.2.2.2.1 [For HCD1] Limitations on Authority to Enter. *Health and Safety Code Section 17972 is repeated here for clarity and reads as follows:*

Section 17972. *No person authorized by this article to enter buildings shall enter any dwelling between the hours of 6 o'clock p.m. of any day and 8 o'clock a.m. of the succeeding day, without the consent of the owner or of the occupants of the dwelling, nor enter any dwelling in the absence of the occupants without a proper written order executed and issued by a court having jurisdiction to issue the order.*

ITEM 20-9 – Committee Recommendations



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(END OF ITEM)

ITEM 20-10 AS SUBMITTED

102.2.2.3 [For HCD 2] Authority to Enter and Inspect Premises. *The applicable subsections of Health and Safety Code Sections 18400 and 18866 are repeated here for clarity and read as follows:*

Section 18400 *(a) The department shall enforce this part and the rules and regulations adopted pursuant to this part, except as provided in Section 18300.*

(b) The officers or agents of the enforcement agency may do either of the following:

(1) Enter public or private property to determine whether there exists any park to which this part applies.

(2) Enter and inspect all parks, wherever situated, and inspect all accommodations, equipment, or paraphernalia used in connection therewith, including the right to examine any registers of occupants maintained therein in order to secure the enforcement of this part and the regulations adopted pursuant to this part.

Section 18866. *(a) The department shall enforce this part and the rules and regulations adopted pursuant to this part, except as provided in Section 18865.*

(b) The officers or agents of the enforcement agency may do either of the following:

(1) Enter public or private property to determine whether there exists any park to which this part applies.

(2) Enter and inspect all parks, wherever situated, and inspect all accommodations, equipment, or paraphernalia used in connection therewith, including the right to examine any registers of occupants maintained therein in order to secure the enforcement of this part and the regulations adopted pursuant to this part.

ITEM 20-10 – Committee Recommendations



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(END OF ITEM)

ITEM 20-11 AS SUBMITTED

102.2.5.2 [For HCD 1] Enforcement Authority to Condemn. Administrative actions, enforcement proceedings, nuisance abatements, violation notifications, and penalties shall comply with the requirements of State Housing Law, contained in Health and Safety Code Sections 17910 through 17995.5 and California Code of Regulations, Title 25, Division 1, Chapter 1 (commencing with Section 1).

102.2.5.3 [For HCD 2] Enforcement Authority. Administrative actions, enforcement proceedings, nuisance abatements, violation notifications, and penalties shall comply with the requirements of the Mobilehome Parks Act, contained in Health and Safety Code Sections 18200 through 18700 and California Code of Regulations, Title 25, Division 1, Chapter 2 (commencing with Section 1000) and for the Special Occupancy Parks Act, California Health and Safety Code, Division 13, Part 2.3 (commencing with Section 18860) and California Code of Regulations, Title 25, Division 1, Chapter 2.2 (commencing with Section 2000).

ITEM 20-11 – Committee Recommendations



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ITEM 20-12 AS SUBMITTED

103.3.1.2 [For HCD 1] Permit Issuance. Health and Safety Code Section 17960.1 is repeated here for clarity and reads as follows:

Section 17960.1 (a) The governing body of a local agency may authorize its enforcement agency to contract with or employ a private entity or persons on a temporary basis to perform the plan-checking function.

(b) A local agency need not enter into a contract or employ persons if it determines that no entities or persons are available or qualified to perform the plan-checking services.

© Entities or persons employed by a local agency may, pursuant to agreement with the local agency, perform all functions necessary to check the plans and specifications to comply with other requirements imposed pursuant to this part or by local ordinances adopted pursuant to this part, except those functions reserved by this part or local ordinance to the legislative body. A local agency may charge the applicant fees in an amount necessary to defray costs directly attributable to employing or contracting with entities or persons performing services pursuant to this section which the applicant requested.

(d) When there is an excessive delay in checking plans and specifications submitted as a part of an application for a residential building permit, the local agency shall, upon request of the applicant, contract with or employ a private entity or persons on a temporary basis to perform the plan-checking function subject to subdivisions (b) and (c).

(e) For purposes of this section:

(1) “Enforcement agency” means the building department or building division of a local agency.

(2) “Excessive delay” means the enforcement agency of a local agency has taken either of the following:

(A) More than 30 days after submittal of a complete application to complete the structural building safety plan check of the applicant’s set of plans and specifications which are suitable for checking. For a discretionary building permit, the time period specified in this paragraph shall commence after certification of the environmental impact report, adoption of a negative declaration, or a determination by the local agency that the project is exempt from Division 13 (commencing with Section 21000) of the Public Resources Code.

(B) Including the days actually taken in (A), more than 45 days to complete the checking of the resubmitted corrected plans and specifications suitable for checking after the enforcement agency had returned the plans and specifications to the applicant for correction.

(3) “Local agency” means a city, county, or city and county.

(4) "Residential building" means a one-to-four family detached structure not exceeding three stories in height.

103.3.2.2 [For HCD 1] Retention of Plans.

Note: Refer to Building Standards Law, Health and Safety Code Sections 19850 and 19851, for permanent retention of plans. For plan checking of related "Employee Housing," as defined in HSC 17008, refer also to HSC 17021(b) [Effective January 1, 2001].

103.4.8 [For HCD 1] Fees. Health and Safety Code Section 17951 is repeated here for clarity and reads as follows:

~~**Section 17951 (a)** The governing body of any county or city, including a charter city, may prescribe fees for permits, certificates, or other forms or documents required or authorized by this part or rules and regulations promulgated pursuant thereto.~~

~~**(b)** The governing body of any county or city, including a charter city, or fire protection district, may prescribe fees to defray the costs of enforcement required by this part to be carried out by local enforcement agencies.~~

~~**(c)** The amount of the fees prescribed pursuant to subdivisions (a) and (b) of this section shall not exceed the amount reasonably required to administer or process these permits, certificates, or other forms or documents, or to defray the costs of enforcement required by this part to be carried out by local enforcement agencies, and shall not be levied for general revenue purposes. The fees shall be imposed pursuant to Section 66016 of the Government Code.~~

Section 17951. (a) The governing body of any county or city, including a charter city, may prescribe fees for permits, certificates, or other forms or documents required or authorized by this part or rules and regulations adopted pursuant to this part.

(b) The governing body of any county or city, including a charter city, or fire protection district, may prescribe fees to defray the costs of enforcement required by this part to be carried out by local enforcement agencies.

(c) The amount of the fees prescribed pursuant to subdivisions (a) and (b) shall not exceed the amount reasonably required to administer or process these permits, certificates, or other forms or documents, or to defray the costs of enforcement required by this part to be carried out by local enforcement agencies, and shall not be levied for general revenue purposes. The fees shall be imposed pursuant to Section 66016 of the Government Code.

ITEM 20-12 – Committee Recommendations



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(END OF ITEM)

ITEM 20-13 AS SUBMITTED

103.5.1.2.2 [For HCD 1 & HCD 2] Scope All new plumbing work and such portions of existing systems as may be effected by new work, or any changes, shall be inspected by the ~~Administrative Authority~~ Enforcing Agency to insure compliance with all the requirements of this Code.

103.5.5.1 [Not adopted by HCD] Defective Systems. An air test shall ~~[For HCD – "may" replaces the word shall]~~ be used in testing the sanitary condition of the drainage or plumbing system of any building premises when there is reason to believe that it has become defective. In buildings or premises condemned by the proper Authority Having Jurisdiction because of an insanitary condition of the plumbing system or portion thereof, the alterations of such system shall conform to the requirements of this Code.

103.5.5.1.1 [For HCD 1 & HCD 2] Defective Systems. An air test may be used in testing the sanitary condition of the drainage or plumbing system of any building premises when there is reason to believe that it has become defective. In buildings or premises condemned by the proper Enforcing Agency because of an insanitary condition of the plumbing system or portion thereof, the alterations of such system shall conform to the requirements of this Code.

ITEM 20-13 – Committee Recommendations



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APPROVED AS SUBMITTED

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(END OF ITEM)

ITEM 20-14 AS SUBMITTED

103.5.5.2 ~~[For HCD 1 & HCD 2, except as noted below]~~ **Not adopted by HCD** **Moved Structures** All parts of the plumbing systems of any building or part thereof that is moved from one foundation to another, or from one location to another, shall be completely tested as prescribed elsewhere in this section for new work, except that walls or floors need not be removed during such test ~~[The following language is not adopted by HCD]~~ when other equivalent means of inspection acceptable to the Authority Having Jurisdiction are provided.

103.5.5.2.1 **[For HCD 1 & HCD 2] Moved Structures** *All parts of the plumbing systems of any building or part thereof that is moved from one foundation to another, or from one location to another, shall be completely tested as prescribed elsewhere in this section for new work, except that walls or floors need not be removed during such test.*

Note:

Authority: Health and Safety Code sections 17040, 17921, 17922, 18300, 18865, 18865.3, and 19990; and Government Code section 12955.1
Reference: Health and Safety Code sections 17000–17060, 17910–17990, 18000–18700, 18860–18874, and 19960–19997; and Government Code section 12955.1.

ITEM 20-14 – Committee Recommendations



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APPROVED AS SUBMITTED

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(END OF ITEM)

ITEM 20-15 AS SUBMITTED

CHAPTER 2 – DEFINITIONS, Sections 201.0 – 228.0

The Department is proposing the adoption of Chapter 2 with State amendments.

203.0

Approved – ~~[Not adopted by HCD, See “Testing Agency”]~~ Accepted or acceptable under an applicable specification or standard stated or cited in this Code, or accepted as suitable for the proposed use under procedures and authority of the Authority Having Jurisdiction.

Approved ~~[For HCD 1 & HCD 2]~~ *Acceptable to the Department.*

Note: ~~This definition in Health and Safety Code Section 17920(a) is repeated here for clarity for the Department of Housing and Community Development and reads as follows:~~

Exception: ~~“Approved” also means meeting the approval of the enforcement agency, except as otherwise provided by statute, when used in connection with any system, material, type of construction, fixture, or appliance as the result of investigations and tests conducted by the agency, or by reason of accepted principles or tests by national authorities, technical, health, or scientific organizations or agencies.~~

Notes: ~~1. See Health and Safety Code Section 17921.3 for “approved” as applied to low-flush water closets in residential construction, as referenced in Section 101.11 of this code.~~

~~2. See Health and Safety Code Section 19966 for “approved” as applied to Factory Built Housing as referenced in Section 101.11 of this code.~~

Approved ~~[For HCD 1 & HCD 2]~~ *Health and Safety Code Section 17920(a) is repeated here for clarity and reads as follows:*

Section 17920(a). *“Approved” means acceptable to the Department.*

“Approved” also means meeting the approval of the enforcement agency, except as otherwise provided by statute, when used in connection with any system, material, type of construction, fixture, or appliance as the result of investigations and tests conducted by the agency, or by reason of accepted principles or tests by national authorities, technical, health, or scientific organizations or agencies.

Notes: ~~1. See Health and Safety Code Section 17921.3 for “approved” as applied to low-flush water closets in residential construction, as referenced in Section 101.11.8.1 of this code.~~

~~2. See Health and Safety Code Section 18201 for “approved” as applied to Mobilehome Parks referenced in Section 101.11.8.3 of this code..~~

~~3. See Health and Safety Code Section 18862.1 “approved” as applied to Special Occupancy Parks as referenced in Section 101.11.8.3 of this code.~~

~~4. See Health and Safety Code Section 19966 for “approved” as applied to Factory Built Housing as referenced in Section 101.11.8.1 of this code.~~

Approved Testing Agency *[Not adopted by HCD, See “Testing Agency”]* An organization primarily established for purposes of testing to approved standards and approved by the Authority Having Jurisdiction.

Authority Having Jurisdiction — *[Not adopted by HCD]* The organization, office, or individual responsible for enforcing the requirements of a code or standard, or for approving equipment, materials, installations, or procedures. The authority having jurisdiction shall be a federal, state, local or other regional department or an individual such as a plumbing official; mechanical official; labor department official; health department official; building official or others having statutory authority. In the absence of a statutory authority, the authority having jurisdiction may be some other responsible party. This definition shall include the authority having jurisdiction’s duly authorized representative.

Authority Having Jurisdiction *[For HCD 1, HCD 1/AC & HCD 2]* See *Enforcing Agency*.

204.0

Building *[Not adopted by HCD]* A structure built, erected, and framed of components structural parts designed for the housing, shelter, enclosure, or support of persons, animals, or property of any kind.

Building *[For HCD 1 & HCD 2]* Building means a structure subject to this part.

Note: This definition in Health and Safety Code Section 17920(b) is repeated here for clarity for the Department of Housing and Community Development.

205.0

Covered Multifamily Dwelling *[For HCD 1/AC]* See Section 404.44.4 101.11.8.2 (under “HCD 1/AC”) of this code.

206.0

Department *[For HCD 1, HCD-2 & HCD 1/AC & HCD 2]* Department means the Department of Housing and Community Development.

Note: This definition in Health and Safety Code Section 17920(d) is repeated here for clarity for the Department of Housing and Community Development.

207.0

Enforcing Agency *[For HCD 1, HCD-2 & HCD 1/AC & HCD 2]* The designated department or agency as specified in statutes and regulations to enforce the specific building standards promulgated or adopted by the specified state agency.

Enforcement Agency *[For HCD 1, HCD-2 & HCD 1/AC & HCD 2]* See *Enforcing Agency*.

210.0

HCD 1. See Section 404.44.4 101.11.8.1 of this code for a detailed description of this term.

HCD 1/AC. See Section 404.44.4 101.11.8.2 of this code for a detailed description of this term.

HCD 2. See Section 404.44.4 101.11.8.3 of this code for a detailed description of this term.

214.0

Labeled *[Not adopted by HCD]* Equipment or materials bearing a label of a listing agency. See *Listed*.

Labeled *[For HCD 1 & HCD 2]* Labeled means equipment or materials to which has been attached a label, symbol or other identifying mark of an organization, approved by the department, that maintains a periodic inspection program of production of labeled products, installations, equipment, or materials and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

Note: This definition in Health and Safety Code Section 17920(g) is repeated here for clarity for the Department of Housing and Community Development.

Lavatory *[For HCD 1 & HCD 2]* A plumbing fixture used for washing the hands, arms, face and head.

Limited-density Owner-built Dwelling *[For HCD 1]* Any structure consisting of one or more habitable rooms intended or designed to be occupied by one family with facilities for living or sleeping, with use restricted to rural areas designated by local jurisdiction in compliance with the requirements of Health and Safety Code Section 17958.2.

Listed *[Not adopted by HCD]* Equipment or materials included in a list published by a listing agency that maintains periodic inspection on current production of listed equipment or materials and whose listing states either that the equipment or material complies with approved standards or has been tested and found suitable for use in a specified manner.

Listed *[For HCD 1 & HCD 2]* Listed means all products that appear in a list published by an approved testing or listing agency.

Note: This definition in Health and Safety Code Section 17920(h) is repeated here for clarity for the Department of Housing and Community Development.

Listing Agency *[Not adopted by HCD]* An agency accredited by an independent and authoritative conformity assessment body to operate a material and product listing and labeling (certification) system and which is accepted by the Authority Having Jurisdiction which is in the business of

listing or labeling. The system includes initial and ongoing product testing, a periodic inspection on current production of listed (certified) products, and which makes available a published report of such listing in which specific information is included that the material or product conforms to applicable standards and found safe for use in a specific manner.

Listing Agency [For HCD 1 & HCD 2] Listing agency means an agency approved by the department that is in the business of listing and labeling products, materials, equipment, and installations tested by an approved testing agency, and that maintains a periodic inspection program on current production of listed products, equipment, and installations, and that, at least annually, makes available a published report of these listings.

Note: This definition in Health and Safety Code Section 17920(i) is repeated here for clarity for the Department of Housing and Community Development.

216.0

Nuisance [Not adopted by HCD] Includes, but is not limited to:

- (1) Any public nuisance known at common law or in equity jurisprudence.
- (2) Whenever any work regulated by this Code is dangerous to human life or is detrimental to health and property.
- (3) Inadequate or unsafe water supply or sewage disposal system.

Nuisance [For HCD 1 & HCD 2] Nuisance means any nuisance defined pursuant to Part 3 (commencing with Section 3479) of Division 4 of the Civil Code, or any other form of nuisance recognized at common law or in equity.

Note: This definition in Health and Safety Code Section ~~17920(j)~~ 17920(k) is repeated here for clarity for the Department of Housing and Community Development.

221.0

Single Family Dwelling [Not adopted by HCD 1 & 2] A building designed to be used as a home by the owner of such building, which shall be the only dwelling located on a parcel of ground with the usual accessory buildings.

222.0

Testing Agency [For HCD 1 & HCD 2] Testing agency means an agency approved by the department as qualified and equipped for testing of products, materials, equipment, and installations in accordance with nationally recognized standards.

Note: This definition in Health and Safety Code Section 17920(m) is repeated here for clarity for the Department of Housing and Community Development.

223.0

U.P.C. [For HCD 1 & HCD 2] The latest edition of the Uniform Plumbing Code, published by the International Association of Plumbing and Mechanical Officials.

225.0

Water Closet [For HCD 1 & HCD 2] A plumbing fixture (which may be used for both defecation or urination) in which the waste matter is removed by flushing with water.

Note:

Authority: Health and Safety Code sections 17040, 17921, 17922, 18300, 18865, 18865.3, and 19990; and Government Code section 12955.1
Reference: Health and Safety Code sections 17000–17060, 17910–17990, 18000–18700, 18860–18874, and 19960–19997; and Government Code section 12955.1.

ITEM 20-15 – Committee Recommendations



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APPROVED AS SUBMITTED

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(END OF ITEM)

ITEM 20-16 AS SUBMITTED

CHAPTER 3 – GENERAL REGULATIONS, Sections 301.0 – 319.0

Note: Adopt entire Chapter 3 as amended.

301.2 Alternate Materials and Methods Equivalency. [Not adopted by HCD] Nothing in this Code is intended to prevent the use of systems, methods, or devices of equivalent or superior quality, strength, fire resistance, effectiveness, durability, and safety over those prescribed by this Code. Technical documentation shall be submitted to the Authority Having Jurisdiction to demonstrate equivalency. The system, method, or device shall be approved for the intended purpose by the Authority Having Jurisdiction.

301.2.1 Intent. [Not adopted by HCD] The provisions of this Code are not intended to prevent the use of any alternate material or method of construction provided any such alternate has been first approved and its use authorized by the Authority Having Jurisdiction. However, the exercise of this discretionary approval by the Authority Having Jurisdiction shall have no effect beyond the jurisdictional boundaries of said Authority Having Jurisdiction. Any alternate material or method of construction so approved shall not be considered as conforming to the requirements and/or intent of this Code for any purpose other than installation or use within the jurisdiction granting the exception.

301.2.2 Compliance. [Not adopted by HCD] The Authority Having Jurisdiction may approve any such alternate provided that the Authority Having Jurisdiction finds that the proposed design is satisfactory and complies with the intent of this Code and the material offered is for the purpose intended, at least the equivalent of that prescribed in this Code, in quality, strength, effectiveness, durability, and safety or that the methods of installation proposed conform to other acceptable nationally recognized plumbing standards.

301.2.3 Requirements. [Not adopted by HCD] The Authority Having Jurisdiction shall require that sufficient evidence or proof be submitted to substantiate any claims that may be made regarding the sufficiency of any proposed material or type of construction.

301.2.4 Testing. [Not adopted by HCD] When there is insufficient evidence to substantiate claims for alternates, the Authority Having Jurisdiction may require tests, as proof of compliance, to be made by an approved testing agency at the expense of the applicant.

301.2.4.1 [Not adopted by HCD] Tests shall be made in accordance with approved standards, but in the absence of such standards, the Authority Having Jurisdiction shall specify the test procedure.

301.2.4.2 [Not adopted by HCD] The Authority Having Jurisdiction may require tests to be made or repeated if, at any time, there is reason to believe that any material or device no longer conforms to the requirements on which its approval was based.

ITEM 20-16 – Committee Recommendations



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APPROVED AS SUBMITTED

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(END OF ITEM)

ITEM 20-17 AS SUBMITTED

301.2.5 [For HCD 1] Alternate Materials and Methods. ~~The applicable subsections of Health and Safety Code Section 17951 are repeated here for clarity and read as follows: Notwithstanding other provisions of law, the method for approval of alternate materials, design, tests and methods of construction are set forth in State Housing Law, Health and Safety Code, Division 13, Section 17951(d)(2) and (3), and California Code of Regulations, Title 25, Division 1, Chapter 1. The applicable subsections of Health and Safety Code Section 17951(d) are repeated here for clarity and read as follows:~~

~~**Section 17951(d)(2)** The building department of any city or county may approve an alternate if it finds that the proposed design is satisfactory and that the material, appliance, installation, device, arrangement, method, or work offered is, for the purpose intended, at least the equivalent of that prescribed in the California Building Standards Code or this part in performance, safety, and for the protection of life and health.~~

~~**(3)** The building department of any city or county shall require evidence that any material, appliance, installation, device, arrangement, or method of construction conforms to, or that the proposed alternate is at least equivalent to, the requirements of this part, building standards published in the California Building Standards Code, or the other rules and regulations promulgated pursuant to this part and in order to substantiate claims for alternates, the building department of any city or county may require tests as proof of compliance to be made at the expense of the owner or the owner's agent by an approved testing agency selected by the owner or the owner's agent.~~

~~**Section 17951(d)(2)** The building department of any city or county may approve an alternate material, appliance, installation, device, arrangement, method, or work on a case-by-case basis if it finds that the proposed design is satisfactory and that each such material, appliance, installation, device, arrangement, method, or work offered is, for the purpose intended, at least the equivalent of that prescribed in the California Building Standards Code or this part in performance, safety, and for the protection of life and health.~~

- ~~(4) The building department of any city or county shall require evidence that any material, appliance, installation, device, arrangement, or method of construction conforms to, or that the proposed alternate is at least equivalent to, the requirements of this part, building standards published in the California Building Standards Code, or the other rules and regulations promulgated pursuant to this part and in order to substantiate claims for alternates, the building department of any city or county may require tests as proof of compliance to be made at the expense of the owner or the owner's agent by an approved testing agency selected by the owner or the owner's agent.~~

~~**[For HCD 1]** Notwithstanding other provisions of law, the method for approval of alternate materials, appliances, installation, device, arrangement, or method of construction are set forth in the Employee Housing Act, Health and Safety Code, Section 17002 and California Code of Regulations, Title 25, Division 1, Chapter 1. Health and Safety Code Section 17002 is repeated here for clarity and read as follows:~~

Section 17002. The provisions of this part are not intended to prevent the use of any material, appliance, installation, device, arrangement, or method of construction not specifically prescribed by this part if such alternate has been approved by the Department of Housing and Community Development.

The Department of Housing and Community Development may approve any such alternate if it finds that the proposed design is satisfactory and that the material, appliance, installation, device, arrangement, or method of construction offered is, for the purpose intended, at least the equivalent of that prescribed in this part in quality, strength, effectiveness, fire resistance, durability and safety, for the protection of life and health.

This section shall not apply to a local ordinance, which is applicable pursuant to Section 17001.

ITEM 20-17 – Committee Recommendations

◊ AA D FS
APPROVED AS SUBMITTED

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(END OF ITEM)

ITEM 20-18 AS SUBMITTED

301.2.6 [For HCD 2] Alternate Materials and Methods. The applicable subsections of Health and Safety Code Sections 18305 (Mobilehome Parks Act) and 18865.6 (Special Occupancy Parks Act) are repeated here for clarity and read as follows:

Section 18305(a) This part is not intended to prevent the use of any material, appliance, installation, device, arrangement, or method of construction not specifically prescribed by this part and the rules and regulations adopted pursuant to this part, if the alternate used has been approved.

(b) The department may approve any alternate if it finds that the proposed design is satisfactory and that the material, appliance, installation, device, arrangement, method, or work offered is, for the purpose intended, at least the equivalent to that prescribed in this part and the rules and regulations adopted pursuant to this part in quality, strength, effectiveness, fire resistance, durability, safety, and for the protection of life and health.

© Whenever there is evidence that any material, appliance, installation, device, arrangement, or method of construction does not conform to the requirements of this part and the rules and regulations promulgated pursuant to this part, or in order to substantiate claims for alternates, the department may require proof of compliance to be made at the expense of the owner or his or her agent.

(d) The department shall notify the appropriate enforcement agency and plan checking agency of its findings.

(e) This section is not applicable to local regulations authorized by this part.

Section 18865.6 (a) This part is not intended to prevent the use of any material, appliance, installation, device, arrangement, or method of construction not specifically prescribed by this part and the rules and regulations adopted pursuant to this part, if the alternate use has been approved.

(b) The department may approve any alternate use if it finds that the proposed design is satisfactory and that the material, appliance, installation, device, arrangement, method, or work offered is, for the purpose intended, at least the equivalent to that prescribed in this part and the rules and regulations adopted pursuant to this part in quality, strength, effectiveness, fire resistance, durability, safety, and for the protection of life and health.

© Whenever there is evidence that any material, appliance, installation, device, arrangement, or method of construction does not conform to the requirements of this part and the rules and regulations promulgated pursuant to this part, or in order to substantiate claims for alternates, the department may require proof of compliance to be made at the expense of the owner or his or her agent.

(d) The department shall notify the appropriate enforcement agency and plan checking agency of its findings.

(e) This section is not applicable to local regulations authorized by this part.

301.3 [For HCD 1 & HCD 2] Provisions contained in this code shall not apply to one- and two-family dwelling private sewage disposal systems and minimum plumbing facilities when alternate facilities or installations have been approved by the local health authority, provided that such alternative facilities or installations provide substantially equivalent or greater protection to health and safety.

ITEM 20-18 – Committee Recommendations

◊ AA D FS
APPROVED AS SUBMITTED

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(END OF ITEM)

ITEM 20-19 AS SUBMITTED

303.0 Disposal of Liquid Waste

It shall be unlawful for any person to cause, suffer, or permit the disposal of sewage, human excrement, or other liquid wastes, in any place or manner, except through and by means of an approved drainage system, installed and maintained in accordance with the provisions of this Code.

Exception [For HCD 1]: Limited-density owner-built rural dwellings. A water closet shall not be required when an alternate system is provided and has been approved by the local health official. Where an alternative to the water closet is installed, a system for the disposal or treatment of graywater shall be provided to the dwelling. Graywater systems shall be designed according to water availability, use and discharge. The design, use and maintenance standards of such systems shall be the prerogative of the local health official.

304.0 Connections to Plumbing System Required

All plumbing fixtures, drains, appurtenances and appliances, used to receive or discharge liquid wastes or sewage, shall be connected properly to the drainage system of the building or premises, in accordance with the requirements of this Code.

Exception [For HCD 1]: Limited-density owner-built rural dwellings. Where conventional plumbing, in all or in part, is installed within the structure, it shall be installed in accordance with the provisions of this code. Alternative materials and methods shall be permitted provided that the design complies with the intent of the code, and that such alternatives shall perform to protect health and safety for the intended purpose.

316.1.6 Solvent Cement Plastic Pipe Joints. [Not adopted by HCD] Plastic pipe and fittings designed to be joined by solvent cementing shall comply with appropriate IAPMO Installation Standards.

ABS pipe and fittings shall be cleaned and then joined with solvent cement(s).

CPVC pipe and fittings shall be cleaned and then joined with listed primer(s) and solvent cement(s).

Exception: Listed solvent cements that do not require the use of primer shall be permitted for use with CPVC pipe and fittings, manufactured in accordance with ASTM D2845, 1/2 inch through 2 inches in diameter.

PVC pipe and fittings shall be cleaned and joined with primer(s) and solvent cement(s).

316.1.6.1 [For HCD 1 & HCD 2] Solvent Cement Plastic Pipe Joints. Plastic pipe and fittings designed to be joined by solvent cementing shall comply with Section 310.4 of this code and an approved nationally recognized installation standard listed in Table 14-1.

ABS pipe and fittings shall be cleaned and then joined with listed solvent cement(s).

CPVC and PVC pipe and fittings shall be cleaned and joined with listed primer(s) and solvent cement(s).

Exception: Listed solvent cements that do not require the use of primer shall be permitted for use with CPVC pipe and fittings, manufactured in accordance with ASTM D2846, 1/2 inch through 2 inches in diameter.


316.2.4 [For HCD 1 & HCD 2] Dielectric unions shall be used at all points of connection where there is a dissimilarity of metals.

Note:

Authority: Health and Safety Code sections 17040, 17921, 17922, 18300, 18865, 18865.3, and 19990

Reference: Health and Safety Code sections 17000–17060, 17910–17990, 18000–18700, 18860–18874, and 19960–19997

ITEM 20-19 – Committee Recommendations

 AA D FS
APPROVED AS SUBMITTED

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(END OF ITEM)

ITEM 20-20 AS SUBMITTED

CHAPTER 4 – Plumbing Fixtures and Fixture Fittings, Sections 401.0 – 420.0

Note: Adopt entire Chapter 4 as amended.

408.7 Water-Conserving Fixtures and Fittings

[For HCD 1 & HCD 2] The applicable subsections of Health and Safety Code Section 17921.3 (a), (b), (c), (d), (e), and (g), which are building standards, are repeated here for clarity and reads as follows:

Section 17921.3 (a) All new buildings constructed in this state shall use water closets and associated flushometer valves, if any, which use no more than an average of 1.6 gallons per flush and which meet performance standards established by American Society of Mechanical Engineers standards A112.19.2-1990 and A112.19.6-1990, and urinals and associated flushometer valves, if any, which use no more than an average of one gallon per flush and which meet performance standards established by American Society of Mechanical Engineers standards A112.19.2-1990 and A112.19.6-1990.

(b) Any city, county, or city and county may enact an ordinance to allow the sale and installation of non-low-consumption water closets or urinals upon its determination that the unique configuration of building drainage systems or portions of a public sewer system within the jurisdiction, or both, requires a greater quantity of water to flush the system in a manner consistent with public health. At the request of a public agency providing sewer services within the jurisdiction, the city, county, or city and county shall hold a public hearing on the need for an ordinance as provided in this subdivision. Prior to this hearing or to the enactment of the ordinance, those agencies responsible for the provision of water and sewer services within the jurisdiction, if other than the agency considering adoption of the ordinance, shall be given at least 30 days' notice of the meeting at which the ordinance may be considered or adopted.

© On or after January 1, 1994, all water closets sold or installed in this state shall be water closets and associated flushometer valves, if any, which use no more than an average of 1.6 gallons per flush and which meet performance standards established by American Society of Mechanical Engineers standards A112.19.2-1990 and A112.19.6-1990, and urinals and associated flushometer valves, if any, which use no more than an average of one gallon per flush and which meet performance standards established by American Society of Mechanical Engineers standards A112.19.2-1990 and A112.19.6-1990. Blowout water closets and associated flushometer valves are exempt from the flush volume requirements of this section.

(d) Notwithstanding subdivision (c), on or after January 1, 1994, water closets and urinals which do not meet the standards referenced in subdivision (c) may be sold or installed for use only under either of the following circumstances:

(1) Installation of the water closet or urinal to comply with the standards referenced in subdivision (c) would require modifications to plumbing system components located beneath a finished wall or surface.

(2) The non-low-consumption water closets, urinals, and flushometer valves, if any, would be installed in a home or building which has been identified by a local, state, or federal government entity as a historical site, and historically accurate water closets and urinals that comply with the flush volumes specified in subdivision (c) are not available.

(e)(1) On or after January 1, 1994, all water closets and urinals sold for installation, or installed, shall be labeled, on both fixture and container, in accordance with their consumption classification and the average water consumption, measured in gallons, for that classification. The fixture label shall be intended for removal by the purchaser only, and shall so state on the label.

(2) The wording on the label shall include, but not necessarily be limited to, the following:

"This fixture qualifies according to ASME test procedures as a low-consumption water closet/urinal with an average consumption flush of 1.6 gallons or less/1.0 gallon or less."

(g) As used in this section, "non-low-consumption flushometer valve," "non-low-consumption urinal," and "non-low-consumption water closet" shall refer to devices which do not meet the standards referenced in subdivision (c).

402.2 [Not Adopted by HCD] Water Closets. Water closets, either flush tank, flushometer tank, or flushometer valve operated, shall have an average consumption of not more than 1.6 gallons (6.1 liters) of water per flush.

402.3 [Not Adopted by HCD] Urinals. Urinals shall have an average water consumption of not more than 1.0 gallon (3.8 liters) of water per flush.

Exception: If approved by the Authority Having Jurisdiction, blowout urinals may be installed for public use in stadiums, race courses, fairgrounds, and other structures used for outdoor assembly and for similar uses.

402.4 [Not Adopted by HCD] Metered Faucets. Self-closing or self-closing metering faucets shall be installed on lavatories intended to serve the transient public, such as those in, but not limited to, service stations, train stations, airports, restaurants and convention halls. Metered faucets shall deliver not more than 0.25 gallons (1.0 liter) of water per use.

402.5 [Not adopted by HCD] Emergency Safety Showers. Emergency safety showers shall not be limited in their water supply flow rates.

402.6 [Not Adopted by HCD] Installation. Water-conserving fixtures shall be installed in strict accordance with the manufacturers' instructions to maintain their rated performance.

406.4 [Not Adopted by HCD] Concealed Fouling Surfaces. Fixtures shall be so designed that they are free from concealed fouling surfaces.

407.4 Drinking Fountains.

407.4.1 [For HCD 1 & HCD 2] Drinking fountains shall be installed and so regulated that a jet of water extending at least 2 inches (51 mm) in height from the water orifice shall be constantly available when turned on. The orifice shall not be accessible to the mouth of the drinker nor subject to immersion.

408.7 [Not Adopted by HCD]—Refer to California Code of Regulations, Title 24, Part 2, Chapter 11A, California Building Code.]

Installations for the Handicapped. Where facilities for the handicapped are required in applicable building regulations, the facilities shall be installed in accordance with those regulations.

Note: [For HCD 1, HCD 1/AC & HCD 2] Reference Section 101.11.8.2 of this code and California Code of Regulations, Title 24, Part 2, Chapter 11A and/or Chapter 11B for disabled access application and requirements. The terminology “persons with disabilities” has replaced the usage of the outdated and incorrect term “handicapped” listed above.

ITEM 20-20 – Committee Recommendations



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APPROVED AS SUBMITTED

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(END OF ITEM)

ITEM 20-21 AS SUBMITTED

411.4 [Not Adopted by HCD] Water Supply for Flush Tanks. An adequate quantity of water shall be provided to flush and clean the fixture served. The water supply for flushing tanks and flushometer tanks equipped for manual flushing shall be controlled by a float valve or other automatic device designed to refill the tank after each discharge and to completely shut off the water flow to the tank when the tank is filled to operational capacity. Provision shall be made to automatically supply water to the fixture so as to refill the trap seal after each flushing. The water supply to flush tanks equipped for automatic flushing shall be controlled by a suitable timing device.

411.5 [Not Adopted by HCD] Flush Valves in Flush Tanks. Flush valve seats in tanks for flushing water closets shall be at least one (1) inch (25.4 mm) above the flood level rim of the bowl connected thereto, except in approved water closet and flush tank combinations designed so that when the tank is flushed and the fixture is clogged or partially clogged, the flush valve closes tightly so that water does not spill continuously over the rim of the bowl or backflow from the bowl to the tank.

411.6 [Not Adopted by HCD] Overflows in Flush Tanks. Flush tanks shall be provided with overflows discharging into the water closet or urinal connected thereto. Overflows supplied as original parts with the fixture shall be of sufficient size to prevent tank flooding at the maximum rate at which the tank is supplied with water under normal operating conditions and when installed per manufacturer's instructions.

412.6 Each shower receptor shall be an approved type and be so constructed as to have a finished dam, curb, or threshold which is at least one (1) inch (25.4 mm) lower than the sides and back of such receptor. In no case shall any dam or threshold be less than two (2) inches (51 mm) or more than nine (9) inches (229 mm) in depth when measured from the top of the dam or threshold to the top of the drain. Each such receptor shall be provided with an integral nailing flange to be located where the receptor meets the vertical surface of the finished interior of the shower compartment. The flange shall be watertight and extend vertically a minimum of one (1) inch (25.4 mm) above the top of the sides of the receptor. The finished floor of the receptor shall slope uniformly from the sides toward the drain not less than one-quarter (1/4) inch per foot (20.9 mm/m), nor more than one-half (1/2) inch per foot (41.8 mm/m). Thresholds shall be of sufficient width to accommodate a minimum twenty-two (22) inch (559 mm) door. Shower doors shall open so as to maintain a minimum twenty-two (22) inch (559 mm) unobstructed opening for egress.

Exception: (1) [Not adopted by HCD. Refer to Exception 2]. Showers which are designed to comply with the accessibility standards listed in Table 14-1.

Exception-2: (2) [For HCD 1/AC] Showers in covered multi-family dwelling units required to be accessible by persons with disabilities shall be designed in accordance with California Code of Regulations, Title 24, Part 2, Chapter 11A, California Building Code.

Exception-3: (3) [For HCD 2] Showers in permanent mobilehome park buildings and special occupancy park buildings and structures, which are required to be accessible by persons with disabilities, shall be designed in compliance with the requirements of California Code of Regulations, Title 24, Part 2, Chapter 11B.

412.7 All shower compartments, regardless of shape, shall have a minimum finished interior of one thousand twenty-four (1024) square inches (0.66 m²) and shall also be capable of encompassing a thirty (30) inch (762 mm) circle. The minimum required area and dimensions shall be measured at a height equal to the top of the threshold and at a point tangent to its centerline. The minimum area and dimensions shall be maintained to a point seventy (70) inches (1778 mm) above the shower drain outlet with no protrusions other than the fixture valve or valves, shower head, soap dishes, shelves and safety grab bars or rails. Fold-down seats in accessible shower stalls shall be permitted to protrude into the thirty (30) inch (0.76 m) circle.

Exception: (1) [Not adopted by HCD] Showers which are designed to comply with the accessibility standards listed in Table 14-1.

Exception-1: (2) [For HCD 1, HCD-2 & HCD 1A/C & HCD 2] Showers required to be accessible to persons ~~with~~ with disabilities shall comply with HCD “Exceptions 4 2 and 2 3” listed in Section 412.6 of this code.

413.3 [Not Adopted by HCD] Separate Facilities Separate toilet facilities shall be provided for each sex.

Exceptions: (1) Residential installations.

(2) In occupancies serving ten (10) or fewer people, one (1) toilet facility, designed for use by no more than one (1) person at a time, shall be permitted for use by both sexes.

(3) In business and mercantile occupancies with a total floor area of fifteen hundred (1500) square feet (139.5 m²) or less, one (1) toilet facility, designed for use by no more than one (1) person at a time, shall satisfy the requirements for serving customers and employees of both sexes.

413.5 [Not Adopted by HCD] Facilities in Mercantile and Business Occupancies Serving Customers

413.5.1 [Not Adopted by HCD] Requirements for customers and employees shall be permitted to be met with a single set of restrooms accessible to both groups. The required number of fixtures shall be the greater of the required number for employees or the required number for customers.

413.5.2 [Not Adopted by HCD] Fixtures for customer use shall be permitted to be met by providing a centrally located facility accessible to several stores. The maximum distance from entry to any store to this facility shall not exceed five hundred (500) feet (152.4 m).

413.5.3 [Not Adopted by HCD] In stores with a floor area of one hundred fifty (150) square feet (13.9 m²) or less, the requirement to provide facilities for employees shall be permitted to be met by providing a centrally located facility accessible to several stores. The maximum distance from entry to any store to this facility shall not exceed three hundred (300) feet (91.4 m).

413.6 [Not Adopted by HCD] Food Service Establishments. Food service establishments with an occupant load of one hundred (100) or more shall be provided with separate facilities for employees and customers. Customer and employee facilities may be combined for occupant loads less than one hundred (100).

413.7 [Not Adopted by HCD] Toilet Facilities for Workers. Suitable toilet facilities shall be provided and maintained in a sanitary condition for the use of workers during construction.

414.0 [Not Adopted by HCD] Fixtures and Fixture Fittings for Persons with Disabilities. Plumbing fixtures and fixture fittings for persons with disabilities shall conform to the appropriate standards referenced in Table 14-1 of this Code.

Note: [For HCD 1 & HCD 2] For accessibility requirements refer to California Code of Regulations, Title 24, Part 2, Chapter 11A and/or Chapter 11B, as appropriate, in the, California Building Code.

TABLE 4-1 Minimum Plumbing Facilities

Each building shall be provided with sanitary facilities, including provisions for the physically handicapped as prescribed by the Authority Having Jurisdiction. For requirements for the handicapped, ICC/ANSI A 117.1, Accessible and Usable Buildings and Facilities, may be used.

Note: ANSI A 117.1-1992 is not adopted by the State of California. For HCD 1/AC requirements refer to the California Code of Regulations, Title 24, Part 2, Chapter 11A, California Building Code.

Exception 4: (1) [For HCD 2 & HCD 1/AC] [For HCD 1/AC & HCD 2] Each building shall be provided with sanitary facilities, including provisions for persons with disabilities as prescribed by the Department. Covered multi-family dwellings required to be accessible to persons with disabilities shall comply with California Code of Regulations, Title 24, Part 2, Chapter 11A. Permanent buildings in mobilehome parks and special occupancy parks required to be accessible by persons with disabilities, shall comply with California Code of Regulations, Title 24, Part 2, Chapter 11B.

Exception 2: (2) [For HCD 4] [For HCD 1] Minimum Plumbing Facilities; Limited Density Owner-built Rural Dwellings. For limited density owner-built rural dwellings sanitary facilities, the type design and number of facilities as required and approved by the local health official shall be provided to the dwelling sites. It shall not be required that such facilities be located within the dwelling.

The total occupant load shall be determined by minimum exiting requirements. The minimum number of fixtures shall be calculated at fifty (50) percent male and fifty (50) percent female based on the total occupant load.

420.0 [Not adopted by HCD] Shower and Tub/Shower Combination Control Valves Showers and tub-shower combinations in all buildings shall be provided with individual control valves of the pressure balance, thermostatic, or combination pressure balance/thermostatic mixing valve type, that provide scald and thermal shock protection. These valves shall conform to ASSE 1016. Gang showers, when supplied with a single temperature controlled water supply pipe, may be controlled by a master thermostatic mixing valve in lieu of individually controlled pressure balance, thermostatic, or combination pressure balance/thermostatic mixing valves. Handle position stops shall be provided on such valves and shall be adjusted per the manufacturer's instructions to deliver a maximum mixed water setting of 120°F (49°C). The water heater thermostat shall not be considered a suitable control for meeting this provision.

420.1 [For HCD 1 & HCD 2] Bathtubs, Showers, and Tub/Shower Combination Control Valves Bathtubs, Showers and tub-shower combinations in all buildings shall be provided with individual control valves of the pressure balance, thermostatic, or combination pressure balance/thermostatic mixing valve type, that provide scald and thermal shock protection. These valves shall conform to ASSE 1016. Gang showers, when supplied with a single temperature controlled water supply pipe, may be controlled by a master thermostatic mixing valve in lieu of individually controlled pressure balance, thermostatic, or combination pressure balance/thermostatic mixing valves. Handle position stops shall be provided on such valves and shall be adjusted per the manufacturer's instructions to deliver a maximum mixed water setting of 120°F (49°C). The water heater thermostat shall not be considered a suitable control for meeting this provision.

Note:

Authority: Health and Safety Code sections 17040, 17921, 17922, 18300, 18865, 18865.3, and 19990; and Government Code section 12955.1
Reference: Health and Safety Code sections 17000–17060, 17910–17990, 18000–18700, 18860–18874, and 19960–19997; and Government Code section 12955.1.

ITEM 20-21 – Committee Recommendations

A  D FS

APPROVE AS AMENDED

***PEME CAC recommended, based on public comment, that the agencies repeal adoption of Table 4-1 of the CPC and adopt in lieu thereof Appendix Chapter 29A of the CBC for minimum plumbing fixtures, Criterion 1.

* * *
(END OF ITEM)

ITEM 20-22 AS SUBMITTED

CHAPTER 5 – Water Heaters, Sections 501.0 – 525.0

Note: Adopt entire Chapter 5 with amendments.

505.1 [Not adopted by HCD] Location. Water heater installations in bedrooms and bathrooms shall be of the direct vent type.

505.1.1 For HCD 1 & HCD 2] Location. Water heaters which depend on the combustion of fuel for heat shall not be installed in a room used for sleeping purposes, a bathroom, a clothes closet, or in a closet or other confined space opening into a bath or bedroom.

Exception: Direct vent water heaters

Where not prohibited by other regulations water heaters may be located under a stairway or landing.

508.2 [Not Adopted by HCD] In seismic design categories C, D, E, and F, water heaters shall be anchored or strapped to resist horizontal displacement due to earthquake motion. Strapping shall be at points within the upper one third (1/3) and lower one-third (1/3) of its vertical dimensions. At the lower point, a minimum distance of four (4) inches (102 mm) shall be maintained above the controls with the strapping.

508.2.1 [For HCD 1 & HCD 2] Protection from Seismic Damage. Water heaters shall be anchored or strapped to resist horizontal displacement due to earthquake motion. Strapping shall be at points within the upper one third (1/3) and lower one-third (1/3) of its vertical dimensions. At the lower point, a minimum distance of four (4) inches (102 mm) shall be maintained above the controls with the strapping.

Note: The applicable subsection of Health and Safety Code Section 19211(a) which addresses new, replacement, and existing water heaters is repeated here for clarity and reads as follows:

Section 19211 (a) Notwithstanding Section 19100, all new and replacement water heaters, and all existing residential water heaters, shall be braced, anchored, or strapped to resist falling or horizontal displacement due to earthquake motion. At a minimum, any water heater shall be secured in accordance with the California Plumbing Code, or modifications made thereto by a city, county, or city and county pursuant to Section 17958.5.

510.5.1 [For HCD 1 & HCD 2] Protection from Seismic Damage. The applicable subsection of Health and Safety Code Section 19211(a) is repeated here for clarity and reads as follows:

Section 19211(a) Notwithstanding Section 19100, all new and replacement water heaters, and all existing residential water heaters shall be braced, anchored, or strapped to resist falling or horizontal displacement due to earthquake motion. At a minimum, any water heater shall be secured in accordance with the California Plumbing Code, or modifications made thereto by a city, county, or city and county pursuant to Section 17958.5.

Note:

Authority: Health and Safety Code sections 17040, 17921, 17922, 18300, 18865, 18865.3, and 19990
Reference: Health and Safety Code sections 17000–17060, 17910–17990, 18000–18700, 18860–18874, and 19960–19997

ITEM 20-22 – Committee Recommendations

A  AA D FS

APPROVED AS SUBMITTED

ITEM 20-23 AS SUBMITTED

CHAPTER 6 – Water Supply and Distribution, Sections 601.0 – 614.0

Note: Adopt entire Chapter 6 as amended

601.1 [Not Adopted by HCD] Except where not deemed necessary for safety or sanitation by the Authority Having Jurisdiction, each plumbing fixture shall be provided with an adequate supply of potable running water piped thereto in an approved manner, so arranged as to flush and keep it in a clean and sanitary condition without danger of backflow or cross-connection. Water closets and urinals shall be flushed by means of an approved flush tank or flushometer valve. In jurisdictions which adopt Appendix J, water closets, urinals, and trap primers in designated nonresidential buildings may be provided with reclaimed water as defined and regulated by Appendix J of this Code.

601.1.1 [For HCD 1 w/ exceptions & HCD 2 w/o exceptions] Except where not deemed necessary for safety or sanitation by the ~~Administrative Authority~~ Enforcing Agency each plumbing fixture shall be provided with an adequate supply of hot and/or cold potable running water piped thereto in an approved manner, so arranged as to flush and keep it in a clean and sanitary condition without danger of backflow or cross connection. Water closets and urinals shall be flushed by means of an approved flush tank or flushometer valve.

Exceptions① [For HCD 1] For limited-density owner-built rural dwellings, potable water shall be available to the dwelling site, although such water need not be pressurized. Where water is not piped from a well, spring, cistern or other source, there shall be a minimum reserve of 50 gallons (189 L) of potable water available. Where water delivery is pressurized, piping shall be installed in accordance with the provisions of this chapter.

(2) [For HCD 1] Where deemed not necessary for safety or sanitation by the ~~Administrative Authority~~ Enforcing Agency.

601.2.2 Nonpotable Water. — Yellow background with black lettering, with the words “CAUTION: NONPOTABLE WATER, DO NOT DRINK”. ~~[For HCD 1 & HCD 2] A UNIVERSAL POISON SYMBOL OF SKULL AND CROSSBONES AN INTERNATIONAL SYMBOL OF A GLASS IN A CIRCLE WITH A SLASH THROUGH IT SHALL BE PROVIDED similar to that provided in figure 6-1.~~

Each system shall be identified with a colored band to designate the liquid being conveyed, and the direction of normal flow shall be clearly shown. The minimum size of the letters and length of the color field shall conform to Table 6-1.

A colored identification band shall be indicated every twenty (20) feet (6096 mm) but at least once per room, and shall be visible from the floor level.

Where vacuum breakers or backflow preventers are installed with fixtures listed in Table 14-1, identification of the discharge side may be omitted. Each outlet on the nonpotable water line which could be used for special purposes shall be posted as follows:
“CAUTION: NONPOTABLE WATER, DO NOT DRINK”.

601.2.3 Reclaimed Water — Purple (Pantone color #512) background and shall be imprinted in nominal 1/2” (12.7 mm) high, black, upper case letters, with the words “CAUTION: RECLAIMED WATER, DO NOT DRINK”. ~~[For HCD 1 & HCD 2] A UNIVERSAL POISON SYMBOL OF SKULL AND CROSSBONES AN INTERNATIONAL SYMBOL OF A GLASS IN A CIRCLE WITH A SLASH THROUGH IT SHALL BE PROVIDED similar to that provided in figure 6-1.~~

601.4 [For HCD 1 & HCD 2] All sources for drinking water shall be maintained in a clean and sanitary condition. Drinking fountains and portable water dispensers shall not be located in toilet rooms.

603.4.12 Non-potable Water Piping. In cases where it is impractical to correct individual cross-connections on the domestic water line, the line supplying such outlets shall be considered a non-potable water line. No drinking or domestic water outlets shall be connected to the non-potable water line. Whenever possible, all portions of the non-potable water line shall be exposed and all exposed portions shall be properly identified in a manner satisfactory to the Authority Having Jurisdiction. Each outlet on the non-potable water line which may be used for drinking or domestic purposes shall be posted:

“CAUTION: NON-POTABLE WATER, DO NOT DRINK”. ~~[For HCD 1 & HCD 2] A UNIVERSAL POISON SYMBOL OF SKULL AND CROSSBONES AN INTERNATIONAL SYMBOL OF A GLASS IN A CIRCLE WITH A SLASH THROUGH IT SHALL BE PROVIDED similar to that provided in figure 6-1.~~

603.4.18 [Not adopted by HCD] Protection from Fire Systems

603.4.18.1 [Not adopted by HCD] Except as provided under Sections 603.4.18.2 and 603.4.18.3, potable water supplies to fire protection systems that are normally under pressure, including but not limited to standpipes and automatic sprinkler systems, except in one or two family residential sprinkler systems piped in materials approved for potable water distribution systems, shall be protected from back-pressure and back-siphonage by one of the following testable devices:

- (1) Double check valve assembly
- (2) Double check detector assembly
- (3) Reduced pressure backflow preventor
- (4) Reduced pressure detector assembly

Potable water supplies to fire protection systems that are not normally under pressure shall be protected from backflow and shall meet the requirements of the appropriate standard(s) referenced in Table 14-1.

603.4.18.2 [Not adopted by HCD] Where fire protection systems supplied from a potable water system include a fire department (Japanese) connection which is located less than seventeen hundred (1700) feet (518.2 m) from a non-potable water source that could be used by the fire department as a secondary water supply, the potable water supply shall be protected by one of the following:

- (1) Reduced pressure backflow preventor
- (2) Reduced pressure detector assembly

Note: Non-potable water sources include fire department vehicles carrying water of questionable quality or water that is treated with antifreeze, corrosion inhibitors, or extinguishing agents

603.4.18.3 [Not adopted by HCD] Where antifreeze, corrosion inhibitors, or other chemicals are added to a fire protection system supplied from a potable water supply, the potable water system shall be protected by one of the following:

- (1) Reduced pressure backflow preventor
- (2) Reduced pressure detector assembly

603.4.18.4 [Not adopted by HCD] Whenever a backflow device is installed in the potable water supply to a fire protection system, the hydraulic design of the system shall account for the pressure drop through the backflow device. If such devices are retrofitted for an existing fire protection system, the hydraulics of the sprinkler system design shall be checked to verify that there will be sufficient water pressure available for satisfactory operation of the fire sprinklers.

603.4.18.5 [Not adopted by HCD] Residential Sprinkler Systems. When residential sprinkler systems are installed using the potable water system they shall be installed in accordance with the standards listed in Table 14-1.

ITEM 20-23 – Committee Recommendations

A AA D FS
APPROVED AS SUBMITTED

* * *
(END OF ITEM)

ITEM 20-24 AS RESUBMITTED

604.0 Materials

604.1 [Not adopted by HCD] Water distribution pipe, building supply water pipe and fittings shall be of brass, copper, cast iron, CPVC, galvanized malleable iron, galvanized wrought iron, galvanized steel, PEX, or other approved materials. Asbestos-cement, PE, PVC, or PEX-AL-PEX, or PE-AL-PE water pipe manufactured to recognized standards may be used for cold water building supply distribution systems outside a building. PEX-AL-PEX water pipe, tubing, and fittings, manufactured to recognized standards may be used for hot and cold water distribution systems within a building. PE-AL-PE water piping and fittings may be used for cold water distribution systems within a building. All materials used in the water supply system, except valves and similar devices shall be of a like material, except where otherwise approved by the Authority Having Jurisdiction [For HCD 1 & HCD 2] Enforcing Agency.

~~**604.1.1 [For HCD 1 & HCD 2]** Water distribution pipe, building supply water pipe and fittings shall be of brass, copper, cast iron, galvanized malleable iron, galvanized wrought iron, galvanized steel, or other approved materials. Asbestos-cement, CPVC, PE or PVC, water pipe manufactured to recognized standards may be used for cold water distribution systems outside a building except as provided for CPVC use pursuant to section 604.1.2. All materials used in the water supply system, except valves and similar devices shall be of a like material, except where otherwise approved by the Administrative Authority.~~

Section 604.1.12 [For HCD 1] Local Authority to Approve CPVC Pipe Within Residential Buildings Under Specified Conditions.

~~The local responsible building official of any city or county, in accordance with the procedures set forth in Chapter 3 (with the exception of section 301.2.7) may authorize by is authorized to issue a permit for the use of CPVC for hot and coldwater distribution systems within the interior of residential buildings provided all of the following conditions are satisfied:~~

~~**(a) Finding Required.** The building official shall first make a determination that there is or will be the premature failure of metallic pipe if installed in such residential buildings due to existing water or soil conditions.~~

~~**(a)(b) Permit Conditions.** Any building permit issued pursuant to this section 604.1 shall be conditioned on compliance with the mitigation measures set forth in this subsection.~~

~~**(b)(e) Approved Materials.** Only CPVC plumbing material listed as an approved material in, and installed in accordance with this code may be used.~~

~~(c)(d)~~ Installation and Use. Any installation and use of CPVC plumbing material pursuant to this section shall comply with all applicable requirements of this code and Section 301.0 of Appendix I of this code, Installation Standard for CPVC Solvent Cemented Hot and Cold Water Distributions Systems, IAPMO ~~IS-20-98~~ IS 20-2000.

~~(d)(e)~~ Certification of Compliance. Prior to issuing a building permit pursuant to this section, the building official shall require as part of the permitting process that the contractor, or the appropriate plumbing subcontractors, provide written certification: (1) that is required in subdivision ~~(e)(f)~~; and (2) that he or she will comply with the flushing procedures and worker safety measures set forth in Section 301.0 of Appendix I of this code, Installation Standard for CPVC Solvent Cemented Hot and Cold Water Distribution Systems IAPMO ~~IS 20-98~~ IS 20-2000.

~~(e)(f)~~ Worker Safety. Any contractor applying for a building permit that includes the use of CPVC plumbing materials authorized pursuant to this section shall include in the permit application a signed written certification stating that:

- (1) They are aware of the health and safety hazards associated with CPVC plumbing installations.
- (2) They have included in their Illness and Injury Prevention Plan the hazards associated with CPVC plumbing pipe installations; and
- (3) The worker safety training elements of their Injury and Illness Prevention Plan meets the Department of Industrial Relation's guidelines.

~~(f)(g)~~ Findings of Compliance. The building official shall not give final permit approval of any CPVC plumbing materials installed pursuant to ~~this~~ section 604.1 unless he or she finds that the material has been installed in compliance with the requirements of this code and that the installer has complied with the requirements in section 301.0.1, of Appendix I of this code, Installation Standards for CPVC Solvent Cemented Hot and Cold Water Distribution Systems, IAPMO ~~IS-20-98~~ IS 20-2000.

~~(g)(h)~~ Penalties. Any contractor or subcontractor found to have failed to comply with the ventilation, glove or flushing requirements of section 301.0 of Appendix I of this code, Installation Standards for CPVC Solvent Cemented Hot and Cold Water Distribution Systems, IAPMO ~~IS-20-98~~ IS 20-2000 shall be subject to the penalties in Health and Safety Code, division 13, part 1.5, chapter 6 (section 17995 et seq.). In addition, if during the conduct of any building inspection the building official finds that the ventilation and glove requirements of section 301.0 of Appendix I of this code, Special Requirements for CPVC Installation within Residential Buildings, are being violated, such buildings officials shall cite the contractor or subcontractor for that violation.

604.11 PEX. Cross-linked polyethylene (PEX) tubing shall be marked with the appropriate standard designation(s) listed in Table 14-1 for which the tubing has been listed or approved. PEX tubing shall be installed in compliance with the provisions of this section.

604.11.1 PEX Fittings. Metal Insert Fittings, metal compression fittings, and cold expansion fittings used with PEX tubing shall be manufactured to and marked in accordance with the standards for the fittings in Table 14-1.

604.11.2 Water Heater Connections. PEX tubing shall not be installed within the first eighteen (18) inches (457mm) or piping connected to a water heater.

604.13 PEX-AL-PEX and PE-AL-PE Crosslinked Polyethylene-Aluminum- Crosslinked Polyethylene (PEX-AL-PEX) and Polyethylene-Aluminum- Polyethylene (PE-AL- PE) composite pipe shall be marked with the appropriate standard designation(s) listed in Table 14-1 for which the piping has been listed or approved. PEX-AL-PEX and PE-AL-PE piping shall be installed in compliance with the provisions of this section.

604.13.1 PEX-AL-PEX and PE-AL-PE Fittings used with PEX-AL-PEX and PE-AL-PE piping shall be manufactured to and marked in accordance with the standard for the fittings in Table 14-1.

604.13.2 Water Heater Connections PEX-AL-PEX or PE-AL-PE tubing shall not be installed within the first eighteen inches (18) (457 mm) of piping connected to a water heater.

606.1.3 [Not Adopted by HCD] Mechanically Formed Tee Fittings.

Mechanically extracted collars shall be formed in a continuous operation consisting of drilling a pilot hole and drawing out the tube surface to form a collar having a height not less than three (3) times the thickness of the branch tube wall.

The branch tube shall be notched to conform with the inner curve of the run tube and shall have two (2) dimple/depth stops to insure that penetration of the branch tube into the collar is of sufficient depth for brazing and that the branch tube does not obstruct the flow in the main line tube. Dimple/depth stops shall be in line with the run of the tube. The second dimple shall be one quarter (1/4) inch (6.35 mm) above the first and shall serve as a visual point of inspection.

All joints shall be brazed in accordance with Section 316.1.7. Soft soldered joints shall not be allowed.

606.2.1 [Not Adopted by HCD] Copper Water Tube. Joints in copper tubing shall be made by the appropriate use of approved fittings properly soldered or brazed together as provided in Section 316.1.3 or Section 316.1.7 or by means of approved flared or compression fittings in Section 606.1.1 or 606.1.3. Solder and soldering flux shall conform to the requirements of Section 316.1.3. ~~[The following sentence is not adopted by HCD]~~ Mechanically formed tee fittings shall be made by brazing only and shall conform to the requirements of Section 316.1.7.

606.2.1.1[For HCD 1 & HCD 2] Copper Water Tube. Joints in copper tubing shall be made by the appropriate use of approved fittings properly soldered or brazed together as provided in Section 316.1.3 or Section 316.1.7 or by means of approved flared or compression fittings in Section 606.1.1 or 606.1.2. Solder and soldering flux shall conform to the requirements of Section 316.1.3.

606.2.4.2 [For HCD 1 & HCD 2] Joints in PVC pipe shall be made as provided in Section 316.1.6.1, of this Code.

609.8 [Not adopted by HCD] Low Pressure Cutoff Required on Booster Pumps for Water Distribution Systems. When a booster pump – excluding a fire pump – is connected to a water service or underground water pipe, a low pressure cutoff switch on the inlet side of the pump shall be installed within five (5) feet (1524 mm) of the inlet. The cutoff switch shall be set for not less than ten (10) psi (68.9 kPa) or as required by the Authority Having Jurisdiction. A pressure gauge shall be installed between the shutoff valve and the pump.

609.10 [Not adopted by HCD] Water Hammer. All building water supply systems in which quick-acting valves are installed shall be provided with devices to absorb the hammer caused by high pressures resulting from the quick closing of these valves. These pressure-absorbing devices shall be either air chambers or approved mechanical devices. Water pressure absorbing devices shall be installed as close as possible to quick-acting valves.



Figure 6-1
International Symbol

TABLE 6-4

Water Supply Fixture Units (WSFU) and Minimum Fixture Branch Pipe Sizes ³

Appliances, Appurtenances or Fixtures ²	Minimum Fixture Branch Pipe Size ^{1,4}	Private	Public	Assembly ⁶
Bathtub or Combination Bath/Shower (fill)	1/2"	4.0	4.0	
3/4" Bathtub Fill Valve	3/4"	10.0	10.0	
Bidet	1/2"	1.0		
Clotheswasher.....	1/2"	4.0	4.0	
Dental Unit, cuspidor	1/2"		1.0	
Dishwasher, domestic	1/2"	1.5	1.5	
Drinking Fountain or Watercooler.....	1/2"	0.5	0.5	0.75
Hose Bibb	1/2"	2.5	2.5	
Hose Bibb, each additional ⁸	1/2"	1.0	1.0	
Lavatory.....	1/2"	1.0	1.0	1.0
Lawn Sprinkler, each head ⁵		1.0	1.0	
Mobile Home, each (minimum). [Not Adopted by HCD]		12.0		
Sinks				
Bar	1/2"	1.0	2.0	
Clinic Faucet.....	1/2"		3.0	
Clinic Flushometer Valve.....				
with or without faucet.....	1"		8.0	
Kitchen, domestic	1/2"	1.5	1.5	
Laundry	1/2"	1.5	1.5	
Service or Mop Basin	1/2"	1.5	3.0	

Washup, each set of faucets	1/2"		2.0	
Shower, per head	1/2"	2.0	2.0	
Urinal, 1.0 GPF Flushometer Valve.....	3/4"	See Footnote 7		
Urinal, greater than 1.0 GPF Flushometer Valve	3/4"	See Footnote 7		
Urinal, flush tank.....	1/2"	2.0	2.0	3.0
Washfountain, circular spray	3/4"		4.0	
Water Closet, 1.6 GPF Gravity Tank	1/2"	2.5	2.5	3.5
Water Closet, 1.6 GPF Flushometer Tank	1/2"	2.5	2.5	3.5
Water Closet, 1.6 GPF Flushometer Valve	1"	See Footnote 7		
Water Closet, greater than 1.6 GPF Gravity Tank.....	1/2"	3.0	5.5	7.0
Water Closet, greater than 1.6 GPF Flushometer Valve.....	1"	See Footnote 7		

Notes:

1. Size of the cold branch pipe, or both the hot and cold branch pipes.
2. Appliances, Appurtenances or Fixtures not included in this Table may be sized by reference to fixtures having a similar flow rate and frequency of use.
3. The listed fixture unit values represent their load on their cold water service. The separate cold water and hot water fixture unit value for fixtures having both hot and cold water connections may each be taken as three-quarter (3/4) of the listed total value of the fixture.
4. The listed minimum supply branch pipe sizes for individual fixtures are the nominal (I.D.) pipe size.
5. For fixtures or supply connections likely to impose continuous flow demands, determine the required flow in gallons per minute (GPM) and add it separately to the demand (in GPM) for the distribution system or portions thereof.
6. Assembly [Public Use (See Table 4-1)].
7. When sizing flushometer systems see Section 610.10.
8. Reduced fixture unit loading for additional hose bibbs as used is to be used only when sizing total building demand and for pipe sizing when more than one hose bibb is supplied by a segment of water distributing pipe. The fixture branch to each hose bibb shall be sized on the basis of 2.5 fixture units.

Note:

Authority: Health and Safety Code sections 17040, 17921, 17922, 18300, 18865, 18865.3, and 19990

Reference: Health and Safety Code sections 17000–17060, 17910–17990, 18000–18700, 18860–18874, and 19960–19997

ITEM 20-24 – Committee Recommendations



* * *
(END OF ITEM)

ITEM 20-25 AS SUBMITTED

CHAPTER 7 - Sanitary Drainage, Sections 701 - 723

Note: Adopt entire Chapter 7 as amended

701.1.2.2 [For HCD 1 & HCD 2] ~~ABS and PVC installations are limited to not more than two stories of areas of residential accommodation. ABS and PVC drainage piping and building drains are limited to residential construction in buildings not more than two stories in height.~~

TABLE 7-3
Drainage Fixture Unit Values (DFU)

	Min. Size Trap and			
Plumbing Appliance, Appurtenance or Fixture	Trap Arm ⁷	Private	Public	Assembly ⁸
Bathtub or Combination Bath/Shower	1-1/2"	2.0	2.0	
Bidet.....	1-1/4"	1.0		
Bidet.....	1-1/2"	2.0		
Clothes Washer, domestic, standpipe ⁵	2"	3.0	3.0	3.0
Dental Unit, cuspidor	1-1/4"		1.0	1.0
Dishwasher, domestic, with independent drain	1-1/2" ²		2.0	2.0
Drinking Fountain or Watercooler (per head)	1-1/4"	0.5	0.5	1.0
Food-waste-grinder, commercial	2"		3.0	3.0
Floor Drain, emergency.....	2"		0.0	0.0
Floor Drain (for additional sizes see Section 702)	2"	2.0	2.0	2.0
Shower single head trap	2"	2.0	2.0	2.0
Multi-head, each additional	2"	1.0	1.0	1.0
Lavatory, single.....	1-1/4"	1.0	1.0	1.0

Lavatory in sets of two or three.....	1-1/2"	2.0	2.0	2.0
Washfountain.....	1-1/2"		2.0	2.0
Washfountain.....	2"		3.0	3.0
Mobile Home, trap	[Not Adopted by HCD] 3"	12.0		
Receptor, indirect waste ^{1,3}	1-1/2"			See footnote 1,3
Receptor, indirect waste ^{1,4}	2"			See footnote 1,4
Receptor, indirect waste ¹	3"			See footnote 1
Sinks				
Bar	1-1/2"	1.0		
Bar	1-1/2" ²		2.0	2.0
Clinical	3"		6.0	6.0
Commercial with food waste.....	1-1/2" ²		3.0	3.0
Special Purpose.....	1-1/2"	2.0	3.0	3.0
Special Purpose.....	2"	3.0	4.0	4.0
Special Purpose.....	3"		6.0	6.0
Kitchen, domestic	1-1/2" ²	2.0	2.0	
(with or without food-waste-grinder and/or dishwasher)				
Laundry.....	1-1/2"	2.0	2.0	2.0
(with or without discharge from a clothes washer)				
Service or Mop Basin.....	2"		3.0	3.0
Service or Mop Basin.....	3"		3.0	3.0
Service, flushing rim	3"		6.0	6.0
Wash, each set of faucets			2.0	2.0
Urinal, integral trap 1.0 GPF ²	2"	2.0	2.0	5.0
Urinal, integral trap greater than 1.0 GPF.....	2"	2.0	2.0	6.0
Urinal, exposed trap.....	1-1/2" ²	2.0	2.0	5.0
Water Closet, 1.6 GPF Gravity Tank ⁶	3"	3.0	4.0	6.0
Water Closet, 1.6 GPF Flushometer Tank ⁶	3"	3.0	4.0	6.0
Water Closet, 1.6 GPF Flushometer Valve ⁶	3"	3.0	4.0	6.0
Water Closet, greater than 1.6 GPF Gravity Tank ⁶	3"	4.0	6.0	8.0
Water Closet, greater than 1.6 GPF Flushometer Valve ⁶	3"	4.0	6.0	8.0

1. Indirect waste receptors shall be sized based on the total drainage capacity of the fixtures that drain therein to, in accordance with Table 7-4.
2. Provide a 2" (51 mm) minimum drain.
3. For refrigerators, coffee urns, water stations, and similar low demands.
4. For commercial sinks, dishwashers, and similar moderate or heavy demands.
5. Buildings having a clothes washing area with clothes washers in a battery of three (3) or more clothes washers shall be rated at six (6) fixture units each for purposes of sizing common horizontal and vertical drainage piping.
6. Water closets shall be computed as six (6) fixture units when determining septic tank sizes based on Appendix K of this Code.
7. Trap sizes shall not be increased to the point where the fixture discharge may be inadequate to maintain their self-scouring properties.
8. Assembly [Public Use (See Table 4-1)].

705.1.1.1 [For HCD 1 & HCD 2] Caulked Joints. All joints for liquid material are to be reamed to full size and cleaned of all loose materials.

705.1.7 Elastomeric Gasketed and Rubber-Ring Joints. Elastomeric gasketed and rubber-ring joints shall comply with the applicable Installation Standard listed in Appendix I.

Exception: [For HCD 1 & HCD 2] Compliance with an approved nationally recognized installation standard complying with Section 310.4 of this code and approved by the ~~Administrative Authority~~ Enforcing Agency is acceptable.

705.1.9 Hubless Cast Iron Pipe Joints. Joints for hubless cast iron soil pipe and fittings shall conform to appropriate Installation Standards listed in Appendix I and shall not be considered as slip joints.

Exception: [For HCD 1 & HCD 2] Compliance with an approved nationally recognized installation standard complying with Section 310.4 of this Code and approved by the ~~Administrative Authority~~ Enforcing Agency is acceptable.

705.2.5 [For HCD 1 & HCD 2] ABS and PVC Pipe. Joints in ABS and PVC pipe shall be made as provided in Section ~~316.0, U.P.C~~ 316.1.6.1, of this Code.

710.3.3.1 [For HCD 1 & HCD 2] The minimum size of any pump or any discharge pipe from a sump having a water closet connected thereto shall be not less than (2) inches (51 mm).

Note:

Authority: Health and Safety Code sections 17040, 17921, 17922, 18300, 18865, 18865.3, and 19990

Reference: Health and Safety Code sections 17000–17060, 17910–17990, 18000–18700, 18860–18874, and 19960–19997

ITEM 20-25 – Committee Recommendations

A AA D  ***

***PEME CAC, after hearing public comment questioning restrictions on ABS and PVC pipe for DWV applications, recommended this item be remanded for further study, Criteria 3 and 5.

* * *
(END OF ITEM)

ITEM 20-26 AS SUBMITTED

CHAPTER 8 – Indirect Wastes, Sections 801.0 – 815.0


Note: Adopt entire Chapter 8 without amendments.

Note:

Authority: Health and Safety Code sections 17040, 17921, 17922, 18300, 18865, 18865.3, and 19990

Reference: Health and Safety Code sections 17000–17060, 17910–17990, 18000–18700, 18860–18874, and 19960–19997

ITEM 20-26 – Committee Recommendations

 AA D FS
APPROVED AS SUBMITTED

* * *
(END OF ITEM)

ITEM 20-27 AS SUBMITTED

CHAPTER 9 – Vents, Sections 901.0 – 910.0

Note: Adopt entire Chapter 9 as amended

~~903.1.2.2~~ 903.1.2.1 [For HCD 1 & HCD 2] ABS or PVC installations are limited to not more than two stories of areas of residential accommodation. ABS and PVC vent piping is limited to residential construction in buildings not more than two stories in height.

903.3.1 [For HCD 1 & HCD 2] All malleable iron vents shall be galvanized.

Note:

Authority: Health and Safety Code sections 17040, 17921, 17922, 18300, 18865, 18865.3, and 19990

Reference: Health and Safety Code sections 17000–17060, 17910–17990, 18000–18700, 18860–18874, and 19960–19997

ITEM 20-27 – Committee Recommendations

A AA D  ***

***PEME CAC, after hearing public comment questioning restrictions on ABS and PVC pipe for DWV applications, recommended this item be remanded for further study, Criteria 3 and 5.

* * *
(END OF ITEM)

ITEM 20-28 AS SUBMITTED

CHAPTER 10 – Traps and Interceptors, Sections 1001.0 – 1017.0

Note: Adopt entire Chapter 10 as amended

1005.0 Trap Seals Each fixture trap shall have a water seal of not less than two (2) inches (51 mm) and not more than four (4) inches (102 mm) except where a deeper seal is found necessary by the Authority Having Jurisdiction for special conditions or for special designs relating to handicapped accessible fixtures. Traps shall be set true with respect to their water seals and, where necessary, they shall be protected from freezing.

Note: [For HCD 1, HCD 1/AC & HCD 2] Reference Section 404.44 101.11.8.2 of this code and California Code of Regulations, Title 24, Part 2, Chapter 11A, Housing Accessibility, for disabled access application and requirements. The terminology "persons with disabilities" has replaced the usage of the outdated and incorrect term "handicapped" listed above.

1013.0 [Not Adopted by HCD] Bottling Establishments. Bottling plants shall discharge their process wastes into an interceptor which will provide for the separation of broken glass or other solids, before discharging liquid wastes into the drainage system.

1016.0 [Not Adopted by HCD] Sand Interceptors

1016.1 [Not Adopted by HCD] Where Required

1016.1.1 [Not Adopted by HCD] Whenever the discharge of a fixture or drain may contain solids or semi-solids heavier than water that would be harmful to a drainage system or cause a stoppage within the system, the discharge shall be through a sand interceptor. Multiple floor drains may discharge into one sand interceptor.

1016.1.2 [Not Adopted by HCD] Sand interceptors are required whenever the Authority Having Jurisdiction deems it advisable to have a sand interceptor to protect the drainage system.

1016.2 [Not Adopted by HCD] Construction and Size. Sand interceptors shall be built of brick or concrete, prefabricated coated steel or other watertight material. The interceptor shall have an interior baffle for full separation of the interceptor into two (2) sections. The outlet pipe shall be the same size as the inlet size of the oil interceptor, the minimum being three (3) inches (80 mm), and the baffle shall have two (2) openings of the same diameter as the outlet pipe and at the same invert as the outlet pipe. These openings shall be staggered so that there cannot be a straight line flow between any inlet pipe and the outlet pipe. The invert of the inlet pipe shall be no lower than the invert of the outlet pipe. The sand interceptor shall have a minimum dimension of two (2) feet square (0.2 m²) for the net free opening of the inlet section and a minimum depth under the invert of the outlet pipe of two (2) feet (610 mm). For each five (5) gallons (18.9 L) per minute flow or fraction thereof over twenty (20) gallons (75.7 L) per minute, the area of the sand interceptor inlet section is to be increased by one (1) square foot (0.09m²). The outlet section shall at all times have a minimum area of fifty (50) percent of the inlet section. The outlet section shall be covered by a solid removable cover set flush with the finished floor, and the inlet section shall have an open grating set flush with the finished floor and suitable for the traffic in the area in which it is located.

1016.3 [Not Adopted by HCD] Separate Use. Sand and similar interceptors for every solid shall be so designed and located as to be readily accessible for cleaning, shall have a water seal of not less than six (6) inches (152 mm), and shall be vented.

1017.0 [Not Adopted by HCD] Oil and Flammable Liquids Interceptors

1017.1 [Not Adopted by HCD] Interceptors Required. All repair garages and gasoline stations with grease racks or grease pits, and all factories which have oily, flammable, or both types of wastes as a result of manufacturing, storage, maintenance, repair, or testing processes, shall be provided with an oil or flammable liquid interceptor which shall be connected to all necessary floor drains. The separation or vapor compartment shall be independently vented to the outer air. If two (2) or more separation or vapor compartments are used, each shall be vented to the outer air or may connect to a header which is installed at a minimum of six (6) inches (152 mm) above the spill line of the lowest floor drain and vented independently to the outer air. The minimum size of a flammable vapor vent shall not be less than two (2) inches (50 mm), and when vented through a sidewall, the vent shall not be less than ten (10) feet (3048 mm) above the adjacent level at an approved location. The interceptor shall be vented on the sewer side and shall not connect to a flammable vapor vent. All oil and flammable interceptors shall be provided with gastight cleanout covers which shall be readily accessible. The waste line shall not be less than three (3) inches (80 mm) in diameter with a full-size cleanout to grade. When an interceptor is provided with an overflow, it shall be provided with an overflow line (not less than two (2) inches (50 mm) in diameter) to an approved waste oil tank having a minimum capacity of five hundred fifty (550) gallons (2080 L) and meeting the requirements of the Authority Having Jurisdiction. The waste oil from the separator shall flow by gravity or shall be pumped to a higher elevation by an automatic pump. Pumps shall be adequately sized and accessible. Waste oil tanks shall have a two (2) inch (50 mm) minimum pump-out connection at grade and a one and one-half (1-1/2) inch (40 mm) minimum vent to atmosphere at an approved location at least ten (10) feet (3048 mm) above grade.

1017.2 [Not Adopted by HCD] Design of Interceptors. Each manufactured interceptor that is rated shall be stamped or labeled by the manufacturer with an indication of its full discharge rate in gpm (L/s). The full discharge rate to such an interceptor shall be determined at full flow. Each interceptor shall be rated equal to or greater than the incoming flow and shall be provided with an overflow line to an underground tank. Interceptors not rated by the manufacturer shall have a depth of not less than two (2) feet (610 mm) below the invert of the discharge drain. The outlet opening shall have not less than an eighteen (18) inch (457 mm) water seal and shall have a minimum capacity as follows: where not more than three (3) motor vehicles are serviced and/or stored, interceptors shall have a minimum capacity of six (6) cubic feet (0.2 m³), and one (1) cubic foot (0.03 m³) of capacity shall be added for each vehicle up to ten (10) vehicles. Above ten (10) vehicles, the Authority Having Jurisdiction shall determine the size of the interceptor required. Where vehicles are serviced only and not stored, interceptor capacity shall be based on a net capacity of one (1) cubic foot (0.03 m³) for each one hundred (100) square feet (9.3 m²) of surface to be drained into the interceptor, with a minimum of six (6) cubic feet (0.2 m³).

Note:

Authority: Health and Safety Code sections 17040, 17921, 17922, 18300, 18865, 18865.3, and 19990; and Government Code section 12955.1
Reference: Health and Safety Code sections 17000–17060, 17910–17990, 18000–18700, 18860–18874, and 19960–19997; and Government Code section 12955.1.

ITEM 20-28 – Committee Recommendations



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FS

APPROVED AS SUBMITTED

* * *

(END OF ITEM)

ITEM 20-29 AS SUBMITTED

CHAPTER 11 – Storm Drainage, Sections 1101.0 – 1109.0

Note: Adopt entire Chapter 11 as amended

1101.1 [Not Adopted by HCD] Where Required. All roofs, paved areas, yards, courts, and courtyards shall be drained into a separate storm sewer system, or into a combined sewer system where a separate storm sewer system is not available, or to some other place of disposal satisfactory to the Authority Having Jurisdiction. In the case of one- and two-family dwellings, storm water may be discharged on flat areas such as streets or lawns so long as the storm water shall flow away from the building and away from adjoining property, and shall not create a nuisance.

1101.1.1 [For HCD 1 & HCD 2] Where Required. All roofs, paved areas, yards, courts, and courtyards shall be drained into a separate storm sewer system. Where a separate storm sewer system is not available, drainage may be combined in the sanitary sewer system, or to some other place of disposal satisfactory to and approved by the ~~Administrative Authority~~ Enforcing Agency. In the case of one- and two-family dwellings, storm water may be discharged on flat areas such as streets or lawns so long as the storm water shall flow away from the building and away from adjoining property, and shall not create a nuisance.

1101.3 [Not Adopted by HCD] Material Uses. Rainwater piping placed within the interior of a building or run within a vent or shaft shall be of cast iron, galvanized steel, wrought iron, brass, copper, lead, Schedule 40 ABS DWV, Schedule 40 PVC DWV, or other approved materials, and changes in direction shall conform to the requirements of Section 706.0. ABS and PVC DWV piping installations shall be installed in accordance with IS 5, IS 9 and Chapter 15 “Firestop Protection for DWV and Stormwater Application”. Except for individual single family dwelling units, materials exposed within ducts or plenums shall have a flame-spread index of not more than 25 and a smoke-developed index of not more than 50, when tested in accordance with the Test for Surface –Burning Characteristics of the Building Materials (See the Building Code standards based on ASTM E- 84 and ANSI/UL 723.).

1101.3.1 [For HCD 1 & HCD 2] Material Uses. Rainwater piping placed within the interior of a building or run within a vent or shaft shall be of cast iron, galvanized steel, wrought iron, brass, copper, lead, Schedule 40 ABS DWV, Schedule 40 PVC DWV, or other approved materials, and changes in direction shall conform to the requirements of Section 706.0 of this code. ~~ABS or PVC installations are limited to not more than two stories of areas of residential accommodation.~~ ABS and PVC building storm drain piping is limited to residential construction in buildings not more than two stories in height.

1101.5.1 [Not Adopted by HCD] Subsoil drains shall be provided around the perimeter of buildings having basements, cellars, or crawl spaces or floors below grade. Such subsoil drains may be positioned inside or outside of the footing, shall be of perforated, or open jointed approved drain tile or pipe not less than three (3) inches (80 mm) in diameter, and shall be laid in gravel, slag, crushed rock, approved three quarter (3/4) inch (19.1 mm) crushed recycled glass aggregate, or other approved porous material with a minimum of four (4) inches (102 mm) surrounding the pipe on all sides. Filter media shall be provided for exterior subsoil piping.

1101.5.1.1 [For HCD 1 & HCD 2] When required by the ~~Administrative Authority~~ Enforcing Agency due to geological conditions, subsoil drains shall be provided around the perimeter of buildings having basement, cellars, or crawl spaces or floors below grade. Such subsoil drains may be positioned inside or outside of the footing, shall be of perforated, or open-jointed approved drain tile or pipe not less than three (3) inches (76 mm) in diameter, and shall be laid in gravel, slag, crushed rock, approved three-quarter (3/4) inch (19.1 mm) crushed recycled glass aggregate, or other approved porous material with a minimum of four (4) inches (102 mm) surrounding the pipe on all sides. Filter media shall be provided for exterior subsoil piping.

1102.1.2 [For HCD 1 & HCD 2] ~~ABS or PVC installations are limited to not more than two stories of areas of residential accommodation.~~ ABS and PVC building storm drain piping is limited to residential construction in buildings not more than two stories in height.

Note:

Authority: Health and Safety Code sections 17040, 17921, 17922, 18300, 18865, 18865.3, and 19990

Reference: Health and Safety Code sections 17000–17060, 17910–17990, 18000–18700, 18860–18874, and 19960–19997

ITEM 20-29 – Committee Recommendations

 AA D 

APPROVE; FURTHER STUDY SELECTED §§

***PEME CAC, after hearing public comment questioning restrictions on ABS and PVC pipe for DWV applications, recommended that §§1101.3.1 and 1102.1.2 be remanded for further study, Criteria 3 and 5. The balance of the item was approved as submitted.

* * *

(END OF ITEM)

ITEM 20-30 AS SUBMITTED

CHAPTER 12 - Fuel Piping, Sections 1201.0 – 1217.0

Note: Adopt entire Chapter 12 as amended.

1216.4 [Not Adopted by HCD] The size of the supply piping outlet for any gas appliance shall not be less than one-half (1/2) inch (12.7mm). ~~[The following sentence is not adopted by HCD]~~ The minimum size of any piping outlet for a mobile home shall be three-quarter (3/4) inch (19.1 mm).

1216.4.1 [For HCD 1 & HCD 2] The size of the supply piping outlet for any gas appliance shall not be less than one-half (1/2) inch (12.7mm).

~~1216.4.1~~ **1216.5 [For HCD 1 & HCD 2]** Fuel Piping for Manufactured Homes, Mobilehomes, and Recreational Vehicles. Fuel piping for manufactured homes, and mobilehomes, and recreational vehicles are is sized in accordance with California Code of Regulations, Title 25, Chapter 3 and the California Health and Safety Code, Division 13, Part 2, Mobilehome/Manufactured Housing Act of 1980. Fuel piping for recreational vehicles is sized in accordance with California Health and Safety Code, Division 13, Part 2.

Note:

Authority: Health and Safety Code sections 17040, 17921, 17922, 18300, 18865, 18865.3, and 19990

Reference: Health and Safety Code section 17000–17060, 17910–17990, 18000–18700, 18860–18874, and 19960–19997

ITEM 20-30 – Committee Recommendations

 AA D FS

APPROVED AS SUBMITTED

* * *

(END OF ITEM)

ITEM 20-31 AS SUBMITTED

CHAPTER 13 - Health Care Facilities and Medical Gas and Vacuum Systems, Sections 1301.0 – 1331.0

Note: Chapter 13 is not adopted

Note:

Authority: Health and Safety Code sections 17040, 17921, 17922, 18300, 18865, 18865.3, and 19990

Reference: Health and Safety Code sections 17000–17060, 17910–17990, 18000–18700, 18860–18874, and 19960–19997

CHAPTER 14 - Mandatory Reference Standards, Table 14 -1

Note: Adopt entire Chapter 14 without amendments

Note:

Authority: Health and Safety Code sections 17040, 17921, 17922, 18300, 18865, 18865.3, and 19990

Reference: Health and Safety Code sections 17000–17060, 17910–17990, 18000–18700, 18860–18874, and 19960–19997

ITEM 20-31 – Committee Recommendations

 AA D FS

APPROVED AS SUBMITTED

* * *
(END OF ITEM)

ITEM 20-32 AS SUBMITTED

CHAPTER 15 - Firestop Protection, Sections 1501.0 – 1507.0

Note: Adopt only those sections listed below

1501.1 [Not adopted by HCD] Applicability. All piping penetrations of required fire-resistance rated walls, partitions, floors, floor/ceiling assemblies, roof/ceiling assemblies or shaft enclosures shall be protected in accordance with the requirements of the ~~NEPA-5000~~, NFPA Building Code and this Chapter. The penetration must meet any additional requirements for protection of the penetration in the building code adopted by the Authority Having Jurisdiction. compliance and integrity of the fire resistance rating prescribed.

1501.1.1 [For HCD 1 & HCD 2] Applicability. All piping penetrations of required fire-resistance rated walls, partitions, floors, floor/ceiling assemblies, roof/ceiling assemblies or shaft enclosures shall be protected in accordance with the requirements of the current edition of Title 24 Part 2, the California Building Code, and this Chapter. The penetration must meet any additional requirements for protection of the penetration in the building code adopted by the Enforcing Agency.

1501.2 [For HCD 1 & HCD 2] Any provisions of this chapter adopted by the State Fire Marshal shall be applicable to structures subject to HCD 1 and/or HCD 2 (See Section ~~401.11.1~~ 1101.11.8).

1507.1 [Not adopted by HCD] General. Prior to being concealed, piping penetrations shall be inspected by the Administrative Authority to verify compliance with the fire resistance rating prescribed in the building code, ~~NFPA-5000~~, NFPA Building Code.

1507.1.1 [For HCD 1 & HCD 2] General. Prior to being concealed, piping penetrations shall be inspected by the Enforcing Agency to verify compliance with the fire resistance rating prescribed in the current edition of Title 24 Part 2, the California Building Code, and this Chapter.

Note:

Authority: Health and Safety Code sections 17040, 17921, 17922, 18300, 18865, 18865.3, and 19990

Reference: Health and Safety Code sections 17000–17060, 17910–17990, 18000–18700, 18860–18874, and 19960–19997

ITEM 20-32 – Committee Recommendations

A  *** D FS

APPROVE AS AMENDED

***PEME CAC recommended any amendments necessary to bring these §§ and those submitted by SFM under Item 13 in alignment for content and format, Criterion 1.

* * *
(END OF ITEM)

ITEM 20-33 AS SUBMITTED

APPENDIX A

Recommended Rules for Sizing the Water Supply System

Note: Adopt entire Appendix A as amended

TABLE A-2

Water Supply Fixture Units (WSFU) and Minimum Fixture Branch Pipe Sizes ³

Table A-2 Note: [For HCD 1 & HCD 2] See Chapter 6, Section 610.7, Table 6-4, U.P.C., for equivalent fixture units.

	Minimum Fixture Branch Pipe Size ^{1,4}	Private	Public	Assembly ⁶
Appliances, Appurtenances or Fixtures ²				
Bathub or Combination Bath/Shower (fill)	1/2"	4.0	4.0	
3/4" Bathub Fill Valve	3/4"	10.0	10.0	
Bidet	1/2"	1.0		

Clotheswasher.....1/2"	4.0	4.0	
Dental Unit, cuspidor1/2"		1.0	
Dishwasher, domestic1/2"	1.5	1.5	
Drinking Fountain or Watercooler.....1/2"	0.5	0.5	0.75
Hose Bibb1/2"	2.5	2.5	
Hose Bibb, each additional ⁷1/2"	1.0	1.0	
Lavatory.....1/2"	1.0	1.0	1.0
Lawn Sprinkler, each head ⁵	1.0	1.0	
Mobile Home, each (minimum).. [Not Adopted by HCD]	12.0		
Sinks			
Bar1/2"	1.0	2.0	
Clinic Faucet.....1/2"		3.0	
Clinic Flushometer Valve.....			
with or without faucet.....1"		8.0	
Kitchen, domestic1/2"	1.5	1.5	
Laundry1/2"	1.5	1.5	
Service or Mop Basin1/2"	1.5	3.0	
Washup, each set of faucets1/2"		2.0	
Shower, per head1/2"	2.0	2.0	
Urinal, 1.0 GPF Flushometer Valve.....3/4"	3.0		
Urinal, greater than 1.0 GPF Flushometer Valve3/4"	4.0		
Urinal, flush tank.....1/2"	2.0	2.0	3.0
Washfountain, circular spray3/4"		4.0	
Water Closet, 1.6 GPF Gravity Tank1/2"	2.5	2.5	3.5
Water Closet, 1.6 GPF Flushometer Tank1/2"	2.5	2.5	3.5
Water Closet, 1.6 GPF Flushometer Valve1"	5.0		
Water Closet, greater than 1.6 GPF Gravity Tank.....1/2"	3.0	5.5	7.0
Water Closet, greater than 1.6 GPF Flushometer Valve.....1"	7.0		

Notes:

1. Size of the cold branch pipe, or both the hot and cold branch pipes.
2. Appliances, Appurtenances or Fixtures not included in this Table may be sized by reference to fixtures having a similar flow rate and frequency of use.
3. The listed fixture unit values represent their load on their cold water service. The separate cold water and hot water fixture unit value for fixtures having both hot and cold water connections may each be taken as three-quarter (3/4) of the listed total value of the fixture.
4. The listed minimum supply branch pipe sizes for individual fixtures are the nominal (I.D.) pipe size.
5. For fixtures or supply connections likely to impose continuous flow demands, determine the required flow in gallons per minute (GPM) and add it separately to the demand (in GPM) for the distribution system or portions thereof.
6. Assembly [Public Use (See Table 4-1)].
7. Reduced fixture unit loading for additional hose bibbs as used is to be used only when sizing total building demand and for pipe sizing when more than one hose bibb is supplied by a segment of water distributing pipe. The fixture branch to each hose bibb shall be sized on the basis of 2.5 fixture units.

Note:

Authority: Health and Safety Code sections 17040, 17921, 17922, 18300, 18865, 18865.3, and 19990

Reference: Health and Safety Code sections 17000–17060, 17910–17990, 18000–18700, 18860–18874, and 19960–19997

ITEM 20-33 – Committee Recommendations



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FS

APPROVED AS SUBMITTED

* * *

(END OF ITEM)

ITEM 20-34 AS SUBMITTED

APPENDIX B

Explanatory Notes on Combination Waste and Vent Systems

Note: Appendix B is not adopted

APPENDIX D

Sizing Stormwater Drainage Systems

Note: Adopt entire Appendix D without amendments

APPENDIX E

Manufactured/Mobile Home Parks and Recreational Vehicle Parks

Note: Appendix E is not adopted

APPENDIX F

(Reserved)

APPENDIX G

Graywater Systems for Single Family Dwellings

Note: Appendix G is not adopted

APPENDIX H

Recommended Procedures for Design, Construction and Installation of Commercial Kitchen Grease Interceptors

Note: Adopt entire Appendix H without amendments

Note:

Authority: Health and Safety Code sections 17040, 17921, 17922, 18300, 18865, 18865.3, and 19990

Reference: Health and Safety Code sections 17000–17060, 17910–17990, 18000–18700, 18860–18874, and 19960–19997

ITEM 20-34 – Committee Recommendations



AA

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APPROVED AS SUBMITTED

* * *

(END OF ITEM)

ITEM 20-35 AS SUBMITTED

APPENDIX I

Note: Adopt entire Appendix I as amended

Installation Standard for

CPVC SOLVENT CEMENTED HOT AND COLD WATER DISTRIBUTION SYSTEMS IAPMO IS 20-2000

~~Section 301.0 Special Requirements for CPVC Installation Within Residential Buildings Only. [HCD-1]~~

301.0 [For HCD 1] Special Requirements for CPVC Installation within Residential Buildings Only.

In addition to the other requirements in the California Plumbing Code and this Appendix for the Installation Standards for CPVC Solvent Cemented Hot and Cold Water Distributions Systems, all installations of CPVC pipe within residential structures shall meet the following:

301.0.1 Flushing Procedures.

301.0.1.1 All installations of CPVC pipe within residential structures shall be flushed twice over a period of at least one week. The pipe system shall be first flushed for at least 10 minutes and then filled and allowed to stand for no less than 1 week, after which all the branches of the pipe system must be flushed long enough to fully empty the contained volume. At the time of the fill, each fixture shall have a removable tag applied stating:

“This new plumbing system was first filled on (date) by (name). The California Department of Housing and Community Development requires that the system be flushed after standing at least one week after the fill date specified above. If the system is used earlier than one week after the fill date, the water must be allowed to run for at least two minutes prior to use for human consumption. This tag may not be removed prior to flushing, except by the homeowner.”

301.0.2 Worker Safety Measures.

301.0.2.1 Mechanical ventilation sufficient to maintain exposures below the relevant exposure limits established by state regulations shall be provided in enclosed spaces. This ventilation shall be directed at the breathing zone of the worker installing the pipe. Where mechanical ventilation is not practical, respirators, suitable for organic vapors, shall be used. For the purpose of this subdivision, an enclosed space is defined as:

- (a) A space less than 100 square feet of floor area under a ceiling with a height of 10 feet or less, and which does not have openings (consisting of doors, windows, or unfinished walls) on at least two sides;
- (b) Crawl spaces having a height of less than three feet;
- © Enclosed attics that have a roof and ceiling; or
- (d) Trenches having a depth greater than twenty-four inches.

301.0.2.2 Installers of CPVC pipe within residential structures shall use non-latex thin gauge (4 millimeters) nitrile gloves, or other gloves providing an equivalent or better degree of protection during the installation of the CPVC plumbing system. Gloves shall be provided to all workers by the contractor, or plumbing subcontractor, and shall be replaced upon contamination by cements.

316.1.1.3 Primer. A listed primer in compliance with ASTM F 656-93 shall be used on all CPVC solvent cemented joints.

Note:

Authority: Health and Safety Code sections 17040, 17921, 17922, 18300, 18865, 18865.3, and 19990

Reference: Health and Safety Code sections 17000–17060, 17910–17990, 18000–18700, 18860–18874, and 19960–19997

ITEM 20-35 – Committee Recommendations



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APPROVED AS SUBMITTED

* * *

(END OF ITEM)

ITEM 20-36 AS SUBMITTED

APPENDIX J

Reclaimed Water Systems for Non-Residential Buildings

Note: Appendix J is not adopted

APPENDIX K

Private Sewage Disposal Systems

Note: Adopt entire Appendix K without amendments

APPENDIX L

Alternate Plumbing Systems

Note: Appendix L is not adopted

Note:

Authority: Health and Safety Code sections 17040, 17921, 17922, 18300, 18865, 18865.3, and 19990

Reference: Health and Safety Code sections 17000–17060, 17910–17990, 18000–18700, 18860–18874, and 19960–19997

ITEM 20-36 – Committee Recommendations



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APPROVED AS SUBMITTED

* * *

(END OF ITEM)

ITEM 20-37 AS SUBMITTED

MATRIX ADOPTION TABLES

Department of Housing and Community Development
Division of Codes and Standards
UPC 2003 Adoption Matrix / Chapter 1- Administration
Adopt only those sections listed below

2000 Amendment Number	2003 Amendment Number	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments
101.1.2 CA	101.1.2 CA		X	X	
101.2.2 CA	101.2.2 CA		X	X	
101.4.0 CA	101.4.0 CA		X	X	
101.4.1.1.1 CA	101.4.1.1.1 CA		X	X	
101.4.1.1.2.1 CA	101.4.1.1.2.1 CA		X	X	
101.4.1.1.3.1 CA	101.4.1.1.3.1 CA		X	X	
101.4.1.4.2	101.4.1.4.2 CA		X	X	
101.4.4 CA	101.4.4 CA		X	X	
101.4.4.1 CA	101.4.4.1 CA		X	X	
101.4.4.2 CA	101.4.4.2 CA		X	X	
101.4.5 CA	101.4.5 CA		X	X	
101.5.1.1 CA	101.5.1.1 CA		X		
101.5.6.1 CA	101.5.6.1 CA		X		
101.6 CA	101.6 CA		X	X	
101.7 CA	101.7 CA		X		
101.8 CA	101.8 CA		X	X	
101.9 CA	101.9 CA		X	X	
101.10.1 CA	101.10.1 CA		X	X	

2000Amendment Number	2003 Amendment Number	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments
101.10.2 CA	101.10.2 CA		X	X	
101.11. CA	101.11. CA	X	X	X	
101.11.8 CA	101.11.8 CA	X	X	X	
101.11.8.1 CA	101.11.8.1 CA		X		
101.11.8.2 CA	101.11.8.2 CA	X			
101.11.8.3 CA	101.11.8.3 CA			X	
101.12 CA	101.12 CA		X		
101.13 CA	101.13 CA		X		
101.14 CA	101.14 CA		X	X	
102.2.1.1. CA	102.2.1.1 CA		◆	◆	
102.2.1.2 CA	102.2.1.2 CA		X	X	
102.2.1.2.1 CA	102.2.1.2.1 CA				
	102.2.1.2.2 (New) CA		X		
	102.2.1.2.3 (New) CA		X		
	102.2.1.2.4 (New) CA			X	
102.2.2.1 CA	102.2.2.1 CA		◆	◆	
102.2.2.2 CA	102.2.2.2 CA		X		
102.2.2.2.1 CA	102.2.2.2.1 CA		X		
	102.2.2.3 (New) CA				
102.2.5.2 CA	102.2.5.2 CA		X	X	
103.3.1.2 CA	103.3.1.2 CA		X		
103.3.2.2 CA	103.3.2.2 CA		X		
103.4.6 CA	103.4.6 CA		◆	◆	
103.4.7 CA	103.4.7 CA		◆	◆	
103.4.8 CA	103.4.8 CA		X		
103.5.1.2.2 CA	103.5.1.2.2 CA		X	X	
103.5.5.1.1 CA	103.5.5.1.1 CA		X	X	
103.5.5.2 CA	103.5.5.2 CA		X	X	

The ◆ designation indicates that this State Fire Marshal's adoption of this Chapter or individual sections is applicable to structures subject to HCD 1 and/or HCD 2. (See Section 101.11.1 of the California Plumbing Code).

Department of Housing and Community Development
Division of Codes and Standards
UPC 2003 Adoption Matrix / Chapter 2 - Definitions
Adopt entire Chapter 2 as amended

2000 CA Amendments	2003 CA Amendments	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments
203.0 CA	203.0 CA				
Approved	Approved CA		X	X	
	Approved CA UPC	†	†	†	UPC language not adopted.
Approved Testing Agency	Approved Testing Agency		†	†	UPC language not adopted.
	AuthorityHaving Jurisdiction CA	†	†	†	
	Authority Jurisdiction Having Jurisdiction UPC CA	X	X	X	UPC language not adopted
204.0 CA	204.0 CA				
Building CA	Building CA	X	X	X	
Building UPC	Building UPC	X	X	X	UPC language not adopted
205.0 CA	205.0 CA				
Covered Multi-Family Dwelling	Covered Multi-Family Dwelling	X			
206.0 CA	206.0 CA				
Department CA	Department CA	X	X	X	
207.0 CA	207.0 CA				
Enforcing Agency CA	Enforcing Agency CA	X	X	X	
Enforcement Agency > CA	Enforcement Agency > CA	X	X	X	
210.0	210.0				
HCD 1	HCD 1		X		
HCD 1AC	HCD 1AC	X			
HCD 2	HCD 2			X	
214.0 CA	214.0 CA				
			†	†	UPC language not adopted.
Labeled CA	Labeled CA		X	X	
Lavatory CA	Lavatory CA		X	X	

This state agency adopts the entire chapter except for those sections indicated by the following symbol: †

Limited Density Owner-Built Dwelling	CA	Limited Density Owner-Built Dwelling	CA		X		
Listed	UPC	Listed	UPC		†	†	UPC language not adopted.
Listed	CA	Listed	CA				
Listing Agency	UPC	Listing Agency	UPC		†	†	UPC language not adopted.
Listing Agency	CA	Listing Agency	CA		X	X	
216.0	CA	216.0	CA				
Nuisance	CA	Nuisance	CA		X	X	
Nuisance	UPC	Nuisance	UPC		†	†	UPC language not adopted.
221.0	CA	221.0	CA		X	X	
222.0		222.0			X	X	
Testing Agency	CA	Testing Agency	CA				
223.0		223.0			X	X	
U.P.C.	CA	U.P.C.	CA		X	X	
225.0		225.0			X	X	
Water Closet	CA	Water Closet	CA		X	X	

This state agency adopts the entire chapter except for those sections indicated by the following symbol: †

Department of Housing and Community Development
Division of Codes and Standards
UPC 2003 Adoption Matrix / Chapter 3 - General Regulations
Adopt entire Chapter 3 as amended

2000CA Amendments	2003 CA Amendments	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments
	301.2 CA	†	†	†	
	301.2.1 CA	†	†	†	
	301.2.2 CA	†	†	†	
	301.2.3 CA	†	†	†	
	301.2.4 CA	†	†	†	
	301.2.4.1 CA	†	†	†	
	301.2.4.2 CA	†	†	†	
	301.2.5 CA		X		
	301.2.6 CA			X	
301.3 CA	301.3 CA		X	X	
303.0 exception CA	303.0 exception CA		X		
304.0 exception CA	304.0 exception CA		X		
311.11 CA	311.11 CA		◆	◆	SFM Adoption
316.1.6 CA	316.1.6 CA		X	X	
316.1.6.1 CA	316.1.6.1 CA		X	X	
316.2.4 CA	316.2.4 CA		X	X	

The ◆ designation indicates that this State Fire Marshal's adoption of this Chapter or individual sections is applicable to structures subject to HCD 1 and/or HCD 2. (See Section 101.11.1 of the California Plumbing Code).

This state agency adopts the entire chapter except for those sections indicated by the following symbol: †

Department of Housing and Community Development
Division of Codes and Standards
UPC 2003 Adoption Matrix / Chapter 4 - Plumbing Fixtures and Fixture Fittings
Adopt entire Chapter 4 as amended

2000 CA Amendments	2003 CA Amendments	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments
402. .0 CA	402. .0 CA		X	X	
CA	412.6 exception 1 CA		X	X	
412.6 exception 2 CA	412.6 exception 2 CA				
412.7 exception 1 CA	412.7 exception 1 CA		X	X	
Table 4-1 CA w/exception 1		X		X	Exception for HCD 1/AC and HCD 2
Table 4-1 CA w/exception 2			X		Exception for HCD 1

Department of Housing and Community Development
UPC 2003 Adoption Matrix Chapter 5- Water Heaters
Adopt entire Chapter 5 as amended

2000 CA Amendments	2003 CA Amendments	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments
505.1.1			X	X	
508.2.1			X	X	
510.5.1			X	X	

Department of Housing and Community Development
Division of Codes and Standards
UPC 2003 Adoption Matrix / Chapter 6-Water Supply and Distribution
Adopt entire Chapter 6 as amended

2000 CA Amendments	2003 CA Amendments	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments
601.1 a w/exception 1&2	601.1 .1 w/exception 1&2 CA		X		
601.1 a w/o exception 1&2 CA	601.1 a w/o exception 1&2 CA			X	
601.2.2 CA	601.2.2 CA		X	X	
601.2.3 CA	601.2.3 CA		X	X	
601.4 CA	601.4 CA		X	X	
603.4.12 CA	603.4.12 CA		X	X	
606.2.1 CA					
	606.2.1.1 CA				(New)
606.2.4	606.2.4 CA		†	†	UPC language not adopted
609.8			†	†	UPC language not adopted
609.10			†	†	UPC language not adopted
Table 6-4 (new)	Table 6-4 (new)		X	X	Mobile Home, each (minimum) not adopted.

This state agency adopts the entire chapter except for those sections indicated by the following symbol: †

Department of Housing and Community Development
Division of Codes and Standards
UPC 2003 Adoption Matrix / Chapter 7-Sanitary Drainage
Adopt entire Chapter 7 as amended

2000 CA Amendments	2003 CA Amendments	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments
Table 7-3	Table 7-3 CA		X	X	Mobile Home Trap not adopted.
705.1.1.1	705.1.1.1 CA		X	X	
705.1.7 w/exception	705.1.7 w/ex. CA		X	X	
705.1.9 w/exception	705.1.9 w/ex. CA		X	X	
705.2.5	705.2.5 CA		X	X	
710.3.3.1	710.3.3.1 CA		X	X	

Department of Housing and Community Development
Division of Codes and Standards
UPC 2003 Adoption Matrix Chapter 8-Indirect Wastes
Adopt entire Chapter 8 without amendments

2000 CA Amendments	2003 CA Amendments	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments
			X	X	

Department of Housing and Community Development
Division of Codes and Standards
UPC 2003 Adoption Matrix Chapter 9-Vents
Adopt entire Chapter 9 as amended

2000 CA Amendments	2003 CA Amendments	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments
	903.1.2.1 CA		X	X	
903.3 .1	903.3 .1 CA				

Department of Housing and Community Development
Division of Codes and Standards
UPC 2003 Adoption Matrix Chapter 10-Traps and Interceptors
Adopt entire Chapter 10 as amended

2000 CA Amendments	2003 CA Amendments	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments
1005.0 CA	1005.0 CA	X		X	

Department of Housing and Community Development
Division of Codes and Standards
UPC 2003 Adoption Matrix Chapter 11-Storm Drainage
Adopt entire Chapter 11 as amended

2000 CA Amendments	2003 CA Amendments	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments
1101.1.1	1101.1.1 CA		X	X	
1101.3.1	1101.3.1 CA		X	X	
1101.5.1.1	1101.5.1.1 CA		X	X	
	1102.1.2.1 CA		X	X	

Department of Housing and Community Development
Division of Codes and Standards
UPC 2003 Adoption Matrix Chapter 12-Fuel Piping
Adopt entire Chapter 12 as amended

2000 CA Amendments	2003 CA Amendments	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments
1216.4	1216.4 CA		†	†	UPC language not adopted
1216.4.1 CA	1216.4.1 CA		X	X	

Department of Housing and Community Development
Division of Codes and Standards
UPC 2003 Adoption Matrix Chapter 13-Medical Gas Systems
Chapter 13 is not adopted

2000 CA Amendments	2003 CA Amendments	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments

Department of Housing and Community Development
Division of Codes and Standards
UPC 2003 Adoption Matrix Chapter 14-Mandatory Referenced Standards
Adopt entire Chapter 14 without amendments

2000 CA Amendments	2003CA Amendments	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments
			X	X	

This state agency adopts the entire chapter except for those sections indicated by the following symbol: †

Department of Housing and Community Development
Division of Codes and Standards
UPC 2003 Adoption Matrix Chapter 15-Firestop Protection for DWV and Stormwater Applications
Adopt only those sections listed below

2000 Amendments	2003 CA Amendments	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments
	1501.1 CA		X	X	
	1501.1.1 (New) CA		X	X	
1501.2 CA	1501.2 CA		X	X	
	1501.7.1.1 (New) CA		X	X	

Department of Housing and Community Development
Division of Codes and Standards
UPC 2003 Adoption Matrix Appendix A-Recommended Rules for Sizing the Water Supply System
Adopt entire Appendix A as amended

2000 CA Amendments	2003 CA Amendments	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments
Table A-2 Note	Table A-2 Note		X	X	Mobile Home, each (minimum) not adopted.

Department of Housing and Community Development
Division of Codes and Standards
UPC 2003 Adoption Matrix Appendix B-Explanatory Notes on Combination Waste and Vent Systems
Appendix B is not adopted

2000 CA Amendments	2003 CA Amendments	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments

Department of Housing and Community Development
Division of Codes and Standards
UPC 2003 Adoption Matrix Appendix C-Sizing of Category I Venting Systems
Adopt entire Appendix C without amendments

2000 CA Amendments	2003 CA Amendments	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments
			X	X	

Department of Housing and Community Development
Division of Codes and Standards
UPC 2003 Adoption Matrix Appendix D-Rainwater Systems
Adopt entire Appendix D without amendments

2000 CA Amendments	2003 CA Amendments	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments
			X	X	

Department of Housing and Community Development
Division of Codes and Standards
UPC 2003 Adoption Matrix Appendix E-Manufactured/Mobile Home Parks and Recreational Vehicle Parks
Appendix E is not adopted

2000 CA Amendments	2003CA Amendments	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments

Department of Housing and Community Development
Division of Codes and Standards
UPC 2003 Adoption Matrix Appendix G-Graywater Systems for Single Family Dwellings
Appendix G is not adopted

2000 CA Amendments	2003 CA Amendments	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments

Department of Housing and Community Development
Division of Codes and Standards
UPC 2003Adoption Matrix Appendix G-A Graywater Systems for Single Family Dwellings
Appendix G-A is not adopted

2000 CA Amendments	2003 CA Amendments	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments

Department of Housing and Community Development
Division of Codes and Standards
UPC 2003 Adoption Matrix Appendix H-Recommended Procedures for
Design, Construction and Installation of Commercial Kitchen Grease Receptors
Adopt entire Appendix H without amendments

2000 CA Amendments	2003 CA Amendments	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments
			X	X	

Department of Housing and Community Development
Division of Codes and Standards
UPC 2003 Adoption Matrix Appendix I-Installation Standards
Adopt entire Appendix I with amendments

2000 CA Amendments	2003 CA Amendments	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments
301.0	301.0 CA		X	X	
301.0.1	301.0.1 CA		X	X	
301.0.1.1	301.0.1.1 CA		X	X	
301.0.2	301.0.2 CA		X	X	
301.0.2.1	301.0.2.1 CA		X	X	
301.0.2.2	301.0.2.2 CA		X	X	
	316.1 (New) CA		X	X	
	316.1.1 CA		X	X	
	316.1.1.1 CA		X	X	
	316.1.1.3 CA		X	X	

Department of Housing and Community Development
Division of Codes and Standards
UPC 2003 Adoption Matrix Appendix J-Reclaimed Water Systems for Non-Residential Buildings
Appendix J is not adopted

2000 CA Amendments	2003 CA Amendments	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments

Department of Housing and Community Development
Division of Codes and Standards
UPC 2003 Adoption Matrix Appendix K-Private Sewage Disposal Systems
Adopt entire Appendix K without amendments

2000 CA Amendments	2003 CA Amendments	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments
			X	X	

Department of Housing and Community Development
Division of Codes and Standards
UPC 2003 Adoption Matrix Appendix L-Alternate Plumbing Systems
Appendix L is not adopted

2000 CA Amendments	2003 CA Amendments	HCD 1/AC	HCD 1 Adoption	HCD 2 Adoption	Comments

ITEM 20-37 – Committee Recommendations

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APPROVE AS AMENDED

***PEME CAC recommended modifying the matrix tables to reflect those items remanded for further study or amendment, Criteria 1, 3 and 5.

* * *

(END OF ITEM)

INITIAL STATEMENT OF REASONS

Subject: Regulations regarding the adoption of the 2003 edition of the Uniform Plumbing Code (UPC) and specified State amendments into California Building Standards Code, Part 5, of Title 24 of the California Code of Regulations (CCR).

Part affected: Part 5, Title 24, CCR

The Administrative Procedure Act requires that an Initial Statement of Reasons be available to the public upon request when rulemaking action is being undertaken. The following are the reasons for proposing this particular rulemaking action.

1) The Public Problem, Administrative Requirement, or Other Circumstance Addressed.

Administrative Requirement: The State Housing Law (SHL) at Health and Safety Code Section 17922, directs the Department of Housing and Community Development (Department or HCD) to recommend adoption of rules and regulations substantially the same as the Uniform Plumbing Code.

2) Specific Purpose

The California Building Standards Commission (CBSC) selected the 2003 UPC published by the International Association of Plumbing and Mechanical Officials (IAPMO) as the model code to be referenced in Title 24, Part 5, for the 2003 code adoption cycle.

The specific purpose of these regulations is to adopt by reference the 2003 edition of the UPC, with State amendments, as indicated on the attached matrix table, into Part 5, Title 24, CCR, for the following programs:

- a) **State Housing Law:** relative to residential occupancies, buildings or structures accessory thereto and as provided for through California Fair Employment and Housing accessibility requirements, except where the application is for public use only.
- b) **Employee Housing Act:** relative to the use of plumbing equipment and systems in or on any building or structure or outdoors on premises or property in accordance with Health and Safety Code Section 17040.
- c) **Mobilehome Parks, or Special Occupancy Parks:** relative to the use of plumbing equipment and systems in or on any permanent buildings, accessory buildings, and structures under the ownership and control of the park operator within the park in accordance with Health and Safety Code Sections 18300 and 18960 for mobilehome parks, and 18865 and 18873.4 for special occupancy parks.
- d) **Factory-Built Housing Law:** relative to residential buildings, dwellings or portions thereof, or building components, or manufactured assemblies in accordance with Health and Safety Code Section 19990.

3) Necessity.

It is necessary for the Department to revise the 2004 California Plumbing Code (CPC) in order to incorporate the most recent changes to state and federal laws, provisions, and regulations to address unique California conditions.

It is necessary to propose the adoption of some sections of the 2003 UPC with amendments to the model code language to incorporate state and federal law provisions that are necessary modifications to the model code

language to reflect state and federal laws, or incorporate provisions that benefit the health, safety, and general welfare of California.

It is necessary to not propose the adoption of some sections of the 2003 UPC because they conflict with existing state and federal law.

It is necessary to propose to bring forward previously existing California amendments, which represent no change in their effect from the 2001 Triennial California Building Standards Code. Some of the existing State amendments will be amended as follows:

- Renumber the sections in order to fit appropriately into the newly adopted text of the 2003 edition of the UPC.
- Add or change the reference to the application authority [HCD 1, HCD 1/AC, and/or HCD 2].
- Change the language for clarification of existing law.
- Not adopt the model code language of the 2003 edition of the UPC.

NOTE: Some changes have been grouped into types of amendments. Thus, a specific section of code may appear more than once because the section has more than one type of amendment.

Specific Proposed Regulatory Actions:

CHAPTER 1. ADMINISTRATION

The Department proposes the readoption of only those sections indicated below and on the attached matrix table.

Sections:

101.1.2	101.4.4	101.13
101.2.2	101.7	102.2.2.2.1
101.4.0	101.9	103.3.2.2
101.4.1.1.2.1	101.11.8	
101.4.4.1	101.12	

The Department proposes the readoption of the above-listed **California amendments**, without modifications. Adoption of these California amendments will provide the code user with provisions applicable in the construction of regulated, residential occupancies, accessory structures and permanent buildings.

Sections: **101.4.1.1.1.1** **103.5.1.2.2**

The Department proposes the readoption of the above-listed, existing **California amendments**, with modifications. The modified text changes the reference from “Administrative Authority” to “Enforcing Agency”. The reference within the paragraph of the sections is necessary as a result of the model code repeal of the definition of “Administrative Authority”, and insertion of HCD’s definition of “Enforcing Agency” for clarity and specificity.

Section: **101.4.1.1.3.1**

The Department proposes the readoption of the above-listed **California amendment**, with a modification. The modified text provides clarity to the user regarding the location of disabled access building standards for common use facilities under the authority of HCD. Accessibility provisions are currently required by federal law. The Department is in the process of including the provisions for common use facilities in the California Building Code (CBC).

Sections: **101.4.5 102.2.2.3**

The Department is proposing the adoption of the above-listed new **California amendments**. The amendments are necessary for consistency and correlation with the California Mechanical Code (CMC) and the CBC. The amendments provide clarity and specificity.

Section: **101.4.1.4.2**

The Department proposes the adoption of the above-listed **California amendment**, with modifications. The modified text, within the banner and/or paragraph, provides clarity to the user regarding HCD's application of these sections. This provides consistency and correlation with the CMC and the CBC.

Section: 101.4.4.2

The Department proposes the readoption of the above-listed **California amendment**, with modifications. The modified text, within the paragraph, provides clarity to the user regarding authority of HCD to propose adoption of amendments to the model code.

Section: 101.5.1.1

The Department proposes the readoption of above-listed **California amendment**, with modifications. The amendment corrects the reference within the reprinted Health and Safety Code section from section 17920.7 to section 13143.2, as changed by statute. Additionally, the modified text reference corrects the use of the upper case subsection (C) in the HSC 17922 (c) citation and changes the word "State" to "California" to correlate with the language in the HSC.

Section: 101.5.6

The Department proposes the non-adoption of the above-listed **model code** section. However, the Department proposes a new banner that will provide clarity to the user regarding HCD's application of the section.

Section: 101.5.6.1

The Department proposes the readoption of the above-listed **California amendment**, with modifications. The amendment is renumbered to correlate with the new format and numbering of section 101.5.6 of the UPC. The renumbering provides consistency and clarity to the user.

Section: 101.6

The Department proposes the readoption of the above-listed **California amendment**, with a modification. The modification is a non-substantive grammatical change, and provides clarity to the code user.

Section: 101.8

The Department proposes the readoption of the above-listed **California amendment**, with a modification. The modification is a non-substantive, grammatical change that provides clarity to the code user.

Sections: 101.10.1 101.10.2

The Department proposes the readoption of the above-listed **California amendments**, with modifications. The modified text, within the banner, provides clarity to the user regarding HCD's application of these sections.

Section: 101.11 101.11.8.1

The Department proposes the readoption of the above-listed **California amendments**, with modifications. The modified text, within the banner, provides clarity to the user regarding HCD's application of the sections. The font of the header is modified for consistency with the format of this code. Other modified text, within the section, consists of non-substantive, grammatical changes. Additionally, modifications are made for consistency and correlation with the CBC.

Section: 101.11.8.2

The Department proposes the readoption of the above-listed **California amendment**, with modifications. The font of the header is modified for consistency with the format of this code. Other modified text, within the section (items 1 through 9), consists of non-substantive grammatical and reference changes that provide clarity and specificity for the code user. Additionally, text was added in item number 8 to direct the code user to Chapter 11B of the CBC for timeshares operated as public accommodations. CBC reference sections are modified to reflect anticipated 2004 CBC section numbers.

Section: 101.11.8.3

The Department proposes the readoption of the above-listed **California amendment**, with modifications. The font of the header and other headings of this section are modified, for consistency with the format of this code. The modified text includes the reference to special occupancy parks, and the relevant Health and Safety Code sections pertaining to the Special Occupancy Parks Act (SOPA). The hyphen was struck from “special-occupancy” to be consistent with the HSC.

Section: 101.14

The Department proposes the readoption of the above-listed **California amendment**, with a modification. The modified text in the header adds the words “and County Supervisors” for consistency with the Health and Safety Code provisions relating to the section to provide clarity for the code user.

Section: 102.2.1.2

The Department proposes the readoption of the above-listed existing **California amendment**, with a modification. The modified text, within the banner, provides clarity to the user regarding HCD’s application of this section by including HCD 2. The modification moves the text into a newly created subsection 102.2.1.2.1 for correlation with the CMC. The change provides clarity, and specificity.

Section: 102.2.1.2.1

The Department proposes the adoption of the above-listed new **California amendment**. The amendment is given a subsection number, and modified as necessary, for consistency and correlation with the CMC. The text previously existed within section 102.2.1.2, and a note was added to reference the authority of HCD 1. This provides clarity for the code user, and consistency in format. The word “California” was added in brackets for clarity within the reprinted HSC section 17960.

Section: 102.2.1.2.2

The Department proposes the adoption of the above-listed new **California amendment**. The amendment is given a subsection number, and modified as necessary, for consistency and correlation with the CMC. The modified text will include the reference to employee housing, and the relevant Health and Safety Code sections pertaining to the California Employee Housing Act. A note was added to reference the authority of HCD 1. This provides clarity for the code user, and consistency in format.

Section: 102.2.1.2.3

The Department proposes the adoption of the above-listed new **California amendment**. The amendment is given a subsection number, and modified as necessary, for consistency and correlation with the CMC. The modified text includes the reference to factory-built housing and the relevant Health and Safety Code sections, pertaining to the California Factory-Built Housing Law. A note is added to reference the authority of HCD 1. This provides clarity for the code user, and consistency in format.

Section: 102.2.1.2.4

The Department proposes the readoption of the above-listed **California amendment**, with modifications. The amendment is given a subsection number and heading, and is modified as necessary for consistency, and correlation with the CMC. The modified text includes the reference to special occupancy parks and the relevant Health and Safety Code sections pertaining to the Special Occupancy Parks Act (SOPA). A note is added to reference the authority of HCD 2. This provides clarity for the code user, and consistency in format.

Section: 102.2.2

The Department proposes the readoption of the above-listed **California amendment** section, with modifications. The modified text includes a reference to employee housing and the relevant Health and Safety Code sections pertaining to the Employee Housing Act. The word “California” was added in brackets for clarity within the reprinted HSC section 17970.

Section: 102.2.2.3

The Department proposes the adoption of the above-listed new **California amendment**. The amendment provides HSC reference for authority to enter and inspect premises under the authority of HCD 2. This provides clarity, and specificity, for the code user.

Section: 102.2.5.2

The Department proposes the adoption of the above-listed **California amendment**, with a modification. The modified text in the header adds the word “Enforcement” and removes the words “to Condemn” for consistency with the State Housing Law (SHL) provisions relating to this section. Additional text was added to make this section consistent with language of the CMC. This provides clarity for the code user.

Section: 102.2.5.3

The Department proposes the adoption of the above-listed new **California amendment**. The amendment provides an HSC reference for enforcement authority of the MPA and the SOPA. This provides clarity and specificity, for the code user.

Section: 103.3.1.2

The Department proposes the adoption of the above-listed existing **California amendment**, with a modification. The modified text adds the number (4) in front of “*Residential Building*”, within the reprinted Health and Safety Code section, for accuracy and consistency with statute.

Section: 103.4.8

The Department proposes the adoption of the above-listed existing **California amendment**, with a modification. The text is modified for consistency with Health and Safety Code section 17951.

Sections: 103.5.5.1 103.5.5.2

The Department proposes to not adopt the above-listed **model code** sections. However, a banner was added to section 103.5.5.1. Additionally, the banner in section 103.5.5.2 is modified to state that the section is “not adopted by HCD”. These changes remove state amendments from within these sections and place them in their own section. This provides clarity for the code user.

Sections: 103.5.5.1.1 103.5.5.2.1

The Department proposes the adoption of the above-listed new **California amendments**, and the non-adoption of model code sections **103.5.5.1** and **103.5.5.2**. This is a non-substantive change that moves the text from the previously existing sections in the 2001 CPC, to the newly proposed California amendment, for clarity and specificity.

CHAPTER 2. DEFINITIONS

The Department proposes the adoption of the 2003 UPC, Chapter 2, with California amendments indicated below, and on the attached matrix table.

Section 201.0 General

Section 202.0 Definitions of Terms

Section 203.0 -A-	Section 212.0 -J-	Section 221.0 -S-
Section 204.0 -B-	Section 213.0 -K-	Section 222.0 -T-
Section 205.0 -C-	Section 214.0 -L-	Section 223.0 -U-
Section 206.0 -D-	Section 215.0 -M-	Section 224.0 -V-
Section 207.0 -E-	Section 216.0 -N-	Section 225.0 -W-
Section 208.0 -F-	Section 217.0 -O-	Section 226.0 -X-
Section 209.0 -G-	Section 218.0 -P-	Section 227.0 -Y-
Section 210.0 -H-	Section 219.0 -Q-	Section 228.0 -Z-
Section 211.0 -I-	Section 220.0 -R-	

Sections:	203.0	“Approved Testing Agency”
	204.0	“Building”
	214.0	“Labeled”
	214.0	“Listed”
	216.0	“Nuisance”
	221.0	“Single Family Dwelling”

The Department proposes to continue the non-adoption of the above- listed **model code** definitions, without modification. The SHL provides definitions for these items that would conflict with the model code

language if adopted. The SHL definitions are reprinted within the CBC, and the Department proposes to continue the adoption of these definitions.

Sections: **204.0** **“Building”**
 214.0 **“Labeled,” “Lavatory,” “Listed,” “Listing Agency”**
 “Limited-density Owner-built Dwelling”
 222.0 **“Testing Agency”**
 223.0 **“U.P.C.”**
 225.0 **“Water Closet”**

The Department proposes to continue the adoption of the above-listed existing **California amendments**, without modification.

Sections: **206.0** **“Department”**
 207.0 **“Enforcing Agency” “Enforcement Agency”**

The Department proposes to continue the adoption of the above-listed existing **California amendments**, with non-substantive modifications. The modified text, within the banner, provides clarity to the user regarding HCD’s application of the sections.

Section: **203.0** **“Approved”**

The Department proposes the adoption of the above-listed existing **California amendment** for the definition of “Approved”, with modifications. Non-substantive modifications to the subsection’s headers are made, for consistency in formatting. Language is added in the notes to include an HSC reference for the definition of “approved” for MPA and SOPA. This modification provides consistency with the CMC, and clarity to the code user.

Section: **203.0** **“Approved”**

The Department proposes to not adopt the above-listed existing **model code** for the definition of “Approved”, with modifications. The modified text, within the banner, removes the statement “See Testing Agency”. The reference is incorrect, and it is necessary to remove it to provide clarity to the code user.

Section: 203.0 “Authority Having Jurisdiction”

The Department proposes to adopt the above-listed new **California amendment** definition. The Department proposes to add a new HCD definition “Authority Having Jurisdiction”, to direct the user to the definition of “Enforcing Agency”, for clarity and consistency with the SHL.

Section: 203.0 “Authority Having Jurisdiction”

The Department proposes to not adopt the above-listed new **model code** definition. The definition conflicts with the term used in the SHL. The Department proposes to add a new section, “Authority Having Jurisdiction”, to direct the user to the definition of “Enforcing Agency”, for clarity and consistency with the SHL. A banner was added to the header “Not Adopted by HCD” for clarity.

Sections: **205.0** **“Covered Multi-Family Dwelling”**
 210.0. **“HCD 1”**
 “HCD 1/AC”
 “HCD 2”

The Department proposes to continue the adoption of the above-listed existing **California amendments**, with non-substantive modifications. The proposed amendments are necessary to correct the reference to the corresponding sections in Chapter 1 of this code.

Section: 216.0 “Nuisance”

The Department proposes to continue the adoption of the above-listed existing **California amendment**, with non-substantive modifications. The proposed amendment is necessary to correct the reference to the corresponding section in Health and Safety Code, to Section 17920, subsection (k).

CHAPTER 3. GENERAL REGULATIONS

The Department proposes the adoption of the 2003 UPC, Chapter 3, with the **California amendments** indicated below and on the attached matrix table.

Sections:
301.3
303.0
304.0
316.2.4

The Department proposes to continue the adoption of the above-listed **California amendments**, without modification.

Sections:
301.2
301.2.1
301.2.2
301.2.3
301.2.4
301.2.4.1
301.2.4.2
316.1.6

The Department proposes to continue the non-adoption of the above-listed, existing **model code** sections. However, a banner is added, with the text "Not adopted by HCD". This banner provides clarity to the user regarding HCD's non-adoption of these sections. This action does not represent any change in the effect of the existing California Amendments as they existed in the 2001 Triennial CBSC.

Section: 301.2.5

The Department proposes to continue the adoption of the above-listed, existing **California amendment**, with modifications. The modified text, within the banner, provides consistency in the format within the CPC. The modified text, within the section, is proposed to correlate with the CMC, CBC, and CEC, and to provide a reference and cited authority to the Employee Housing Act.

Section: 301.2.6

The Department proposes to continue the adoption of the above-listed, existing **California amendment**, with modifications. The modified text, within the banner, provides consistency in the format within the CPC. The modified text, within the section, includes a reference to special occupancy parks and the relevant Health and Safety Code sections pertaining to the Special Occupancy Parks Act (SOPA). Health and Safety Code Section 18865.6, subsections (a) through (e), was added to provide clarity for the code user. The term "Mobilehome Parks Act" was added to the text of the section to provide clarity for the code user.

Section: 316.1.6.1

The Department proposes to continue the adoption of the above-listed, existing **California amendment**, with modifications. The exception is added to include the approval of solvent cements that do not require a primer on CPVC that is manufactured consistent with ASTM Standard D2846. This provision was adopted as model code language in the 2003 UPC, and is proposed as a modification to our existing amendment.

ASTM Standard D2846, "Standard Specifications for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot- and Cold-Water Distribution Systems, and F493, Standard Specifications for Solvent Cements for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe and Fittings", does not require the use of a primer. Solvent cements have been developed that meet the requirements of ASTM Standards D2846 and F493 without the use of a primer. The proposed modification to this amendment is consistent with national specifications and standards and with the UPC. The amendment will provide specificity for the code user.

CHAPTER 4. PLUMBING FIXTURES AND FIXTURE FITTINGS

The Department proposes the adoption of the 2003 UPC, Chapter 4, with the **California amendments** indicated below and on the attached matrix table.

Sections:

402.2	407.4	413.5.1
402.3	411.4	413.5.2
402.4	411.5	413.5.3
402.5	411.6	413.6
402.6	413.3	413.7
406.4	413.5	

The Department proposes to continue the non-adoption of the above- listed **model code** section.

Section: 402.0

The Department proposes to continue the adoption of the above-listed, existing **California amendment**, with modifications. Grammatical and formatting changes were made for clarity. Numbers are added to the paragraphs in subsection (d) for consistency with the existing HSC subsections. The change provides clarity to the code user.

Sections: 408.7 Note

The Department proposes the adoption of the above-listed, **California amendment**. The repeal of reference text within the banner provides consistency in the format within the CPC. The **“Note”** is added with text to provide a reference to the CBC, Chapter 11A and/or 11B, for application and requirements of access for persons with disabilities. This modification is proposed for consistency in formatting, and to provide clarity and specificity for the code user.

Section: 412.6 Exception

The Department proposes to continue the non-adoption of the above-listed, existing **model code**, with modifications to the banner Exceptions. The repeal of the reference *“Refer to Exception 2”*, within the banner, provides accuracy to the text because the reference is unnecessary. The word “Exception” is removed from Exceptions 2 and 3, and the numbers 1, 2 and 3 are placed within parenthesis for consistency in formatting. This modification has been made to provide clarity for the code user.

Section: 412.7 Exception

The Department proposes to continue the adoption of the above-listed, existing **California amendment**, with non-substantive modifications. The modified text, within the banner, provides consistency in the format within the CPC. The word “Exception” is removed from Exception 1 and the number “1” is placed in parenthesis for consistency in formatting. The reference within the paragraph to “412.6 Exceptions 1 and 2” is changed to “412.6 Exceptions 2 and 3” for accuracy. This is necessary as a result of the renumbering of the relevant sections in section 412.6. The word “Exception” is removed from Exception 2 and the numbers “1” and “2” are placed in parenthesis for clarity and consistency in formatting.

Section: 414.0 Note

The Department proposes the adoption of the above-listed, **California amendment**. The **“Note”** is added to the text to provide a reference to the CBC, Chapter 11A and/or 11B, for application and requirements of access for persons with disabilities. This modification is proposed for consistency in formatting, and to provide clarity and specificity for the code user.

Section: 420.0

The Department proposes to not adopt the above-listed, **model code** section. However, a banner is added with the text “Not adopted by HCD”. The banner provides clarity to the user regarding HCD's non-adoption of this section.

Section: 420.1

The Department proposes the adoption of the above-listed, new **California amendment**. The amendment is necessary to establish provisions regarding the maximum temperature of water (as controlled by valves) provided from a bath tub faucet. UPC section 421 does not specify the method of limiting the water temperature (as controlled by valves) from bath tub faucets and this California amendment section provides clarity and specificity for the code user.

Section: Table 4-1 Exceptions 1 and 2

The Department proposes to continue the adoption of the above-listed, existing **California amendment**, with non-substantive modifications. The modified text, within the banner, provides consistency in the format within the CPC.

CHAPTER 5. WATER HEATERS

The Department proposes the adoption of the 2003 UPC, Chapter 5, with the **California amendments** indicated below, and on the attached matrix table.

Sections: 505.1 508.2

The Department proposes to not adopt the above-listed **model code** sections. However, a banner is added with the text "Not adopted by HCD". This banner provides clarity to the user regarding HCD's non-adoption of these sections.

Section: 505.1.1

The Department proposes the adoption of the above-listed, new **California amendment**. The proposed language is taken from the existing 2001 CPC that has been adopted by the Department. The amendment is necessary as a result of a change to model code language which does not provide an equivalent level of safety for occupants as does the current 2001 CPC or national standards. The amendment provides public safety in occupancies regulated by HCD without having a substantive effect, as the regulations are currently required in the 2001 CPC.

Section: 508.2.1

The Department proposes the adoption of the above-listed, new **California amendment**. The amendment is necessary as a result in the change of seismic zone classifications in the model codes. The Department proposes to remove the reference to seismic zones as a qualifier for water heater strapping for occupancies regulated by HCD 1 and HCD 2. HSC Section 19211 currently requires all new and replacement water heaters, and all existing residential existing water heaters installed in California, to be braced, anchored, or strapped, irrespective of seismic zones. The amendment provides clarity, and public safety, in occupancies regulated by HCD, without any new regulatory effect.

Section: 510.5.1

The Department proposes to incorporate this section into section 508.2.1. The amendment provides clarity, without any new regulatory effect.

CHAPTER 6. WATER SUPPLY AND DISTRIBUTION

The Department proposes the adoption of the 2003 UPC, Chapter 6, with the **California amendments** indicated below, and on the attached matrix table.

Sections: 601.4 606.2.4.2

The Department proposes to continue the adoption of the above-listed **California amendments**, without modification.

Sections:

603.4.18	603.4.18.5
603.4.18.1	606.1.3
603.4.18.2	609.8
603.4.18.3	609.10
603.4.18.4	

The Department proposes to not adopt the above-listed **model code** sections.

Section: 601.1

The Department proposes to not adopt the above-listed **model code** section. However, a banner is added with the text "Not adopted by HCD". This modification provides clarity to the user regarding HCD's non-adoption of these sections.

Sections: 601.1.1 601.1.1 Exception 2

The Department proposes to continue the adoption of the above-listed, existing **California amendments**, with modifications. The modified text changes the reference from "Administrative Authority" to "Enforcing Agency" in sections 601.1.1 and 601.1.1, Exception 2. The reference, within the paragraph, of the section and Exception 2 was necessary as a result of the model code's repeal of the definition of "Administrative Authority", and the HCD's definition of "Enforcing Agency" for clarity and specificity.

Sections: 601.2.2 601.2.3 603.4.12

The Department proposes to continue the adoption of the above-listed, existing **California amendments**, with modifications. The modified text will change the symbol for non-potable water from skull and crossbones to an international symbol of a glass with a slash through it, and came as a result of a request from the Department of Water Resources. This will provide consistency between Title 22 regulations and Title 24 regulations regarding the symbol used for display. Figure 6-1 displaying the symbol is added for clarification purposes.

Section: 604.1

The Department proposes the adoption of the above-listed, **California amendment** into Title 24, Part 5, CPC with modifications. The modified text changes the reference from "Administrative Authority" to "Enforcing Agency".

Additionally, the Department received a public petition to remove section 604.1(a) which requires the building official to make a special finding for the premature failure of metallic pipe prior to approving the use of CPVC. The amendment to section 604.1 effectively removes the requirement for a building official to make a finding that there is a premature failure of metallic pipe prior to allowing the use of CPVC for hot and cold water pipe within residential structures.

As a result of this petition the Department reviewed the issues surrounding the special finding requirement within this section. The Department found that in the years since the effective date of the regulations it has not received any information or discovered through investigations adverse affects from the use of CPVC or its installation procedures. Because concerns expressed in the past regarding the use of solvents during the installation of CPVC, the 2003 UPC provides for a significant change in the installation process of CPVC piping by permitting the use of one-step glue.

None of the chemicals within this one-step glue are on the proposition 65 list of chemicals known to the state to cause cancer, birth defects, or other reproductive harm. There are also no air quality regulations or water quality regulations that restrict the statewide use of this approved glue. Previously the only approved installation process was the use of a glue and primer. Furthermore, the existing language conflicts with HSC, Section 17951(d) which permits the use of alternate materials by a local building official.

Note: There is an existing Mitigated Negative Declaration for the current permitted use of CPVC, (see State Clearing House Number 2000091089), that requires the Department to revisit the California Environmental Quality Act prior to the California Building Standards Commission formally adopting any changes in use of CPVC pipe inside residential structures.

Section: 604.1.1

The Department proposes to not adopt the above-listed, **California amendment**. The Department is proposing the adoption of UPC Section 604.1 which includes PEX as an approved material. PEX was not proposed for adoption in the 2001 CPC because the Department determined at that time that it did not have sufficient time to evaluate all of the consequences of the use of the material, including environmental factors, due to the time constraints imposed in the previous triennial code adoption process. Since the adoption of the 2001 CPC by the California Building Standards Commission, the Department finalized the review of this product and has determined that there was no basis in the record to exclude this IAMPO approved material. The non-adoption of this amendment will remove a conflict between Section 604.1 and 604.1.1 regarding the use of PEX as an approved material for use in California.

Section: 604.1.2

The Department proposes to continue the adoption of the above-listed, existing **California amendment** with modifications. The modified text, within the banner, provides consistency in the format of the CPC. Section 604.1.2 is being renumbered as 604.1.1 as a result of the non-adoption of the existing 604.1.1 (see above). Language within this section and subsections (a) through (e) concerning the permitting of CPVC pipe that is duplicative to requirements already in code or statute, such as the requirement to meet the provisions of Chapter 3 and the penalties of Health and Safety Code division 13, part 1.5, chapter 6, have been removed.

Other modifications in the text correct the reference from "*IAPMO IS 20-98*" to "*IAPMO IS 20-2000*." This change provides a reference to the most recent edition of this standard. These modifications provide clarity for the code user and consistency in format.

Sections:	604.11	604.11.1	604.11.2
	604.13	604.13.1	604.13.2

The Department is proposing to adopt the above-listed **model code** sections, without modification.

Sections:	606.2.1	Model Code
	606.2.1.1 CA	

The Department proposes to adopt the above-listed, new **California amendment**, and to not adopt section 606.2.1, the corresponding **model code** section. A banner is added to section 606.2.1 indicating that the section is "not adopted by HCD".

The change in section reference, and text in the proposed amendment, is necessary to provide clarity for the code user. The amendment has no regulatory effect.

FIGURE: 6-1

The Department proposes to add Figure 6-1 for adoption. The added figure will provide consistency with Title 22 regulations and will provide clarity for the user. The symbol displayed in the figure will provide direction to the user regarding amended sections 601.2.2, 601.2.3, and 604.12.

TABLE 6-4.

The Department proposes to not adopt "Mobile Home, each (minimum)", in **UPC Table 6-4**. The provision is proposed for the non-adoption as it is not a building standard and conflicts with existing regulations contained in the CCR, Title 25, Chapter 2 (Mobilehome Parks) and CCR Title 25, Chapter 3 (Manufactured Housing). This is not a change to the existing amendment.

CHAPTER 7. SANITARY DRAINAGE

The Department proposes the adoption of the 2003 UPC, Chapter 7, with the **California amendments** indicated below, and on the attached matrix table.

Section: 701.1.2.2

The Department proposes to continue the adoption of the above-listed, existing **California amendment**, with modifications. The modification to the text is consistent with the Department's interpretation of prior code language. The language provides clarity and specificity for the code user, and has no regulatory effect.

TABLE 7-3.

The Department proposes to not adopt “Mobile Home, trap” in **UPC Table 7-3**. This provision is proposed for non-adoption as it is not a building standard, and conflicts with existing regulations contained in the CCR, Title 25, Chapter 2 (Mobilehome Parks). This is not a change to the existing amendment.

Sections: 705.1.1.1 710.3.3.1

The Department proposes to continue the adoption of the above-listed, existing **California amendments**, without modifications.

Sections: 705.1.7 Exception 705.1.9 Exception

The Department proposes to continue the adoption of the above-listed, existing **California amendments**, with modifications. The modified text changes the reference from “Administrative Authority” to “Enforcing Agency” in section 705.1.1.1, Exception. The modification, within the paragraph of the exception, is necessary as a result of the model code repeal of the definition of “Administrative Authority”, and HCD’s definition of “Enforcing Agency.”

Section: 705.2.5

The Department proposes to continue the adoption of the above-listed, existing **California amendment**, with modifications. The change provides the correct reference to the section relating to this section, and clarity, for the code user.

CHAPTER 8. INDIRECT AND SPECIAL WASTES

The Department proposes the adoption of the 2003 UPC, Chapter 8, without **California amendments**, as indicated on the attached matrix table.

CHAPTER 9. VENTS

The Department proposes the adoption of the 2003 UPC, Chapter 9, with the **California amendments** indicated below, and on the attached matrix table.

Section: 903.1.2.1

The Department proposes to continue the adoption of the above-listed, existing **California amendment**, with modifications. The modification to the text is consistent with the Department’s interpretation of prior code language. The section number is proposed to be changed for consistency with the format of the UPC. The language provides clarity and specificity for the code user, and has no regulatory effect.

Section: 903.3.1

The Department proposes to continue the adoption of the above-listed, **California amendment**, without modification.

CHAPTER 10. TRAPS AND INTERCEPTORS

The Department proposes the adoption of the 2003 UPC, Chapter 10, with the **California amendments** indicated below, and on the attached matrix table.

Section: 1005.0

The Department proposes to continue the adoption of the above-listed, existing **California amendment**, with non-substantive modifications. The word “*note*” is added in front of the text of the second paragraph, providing a reference to the CBC, Chapter 11A, for disabled access application and requirements. Within the text of this second paragraph, the reference section is changed to accurately reflect the section to provide specificity for the code user. “*HCD 1*” is added to the banner, for clarity in the application of this section. The modifications are proposed for consistency in formatting, and provide clarity for the code user.

Sections:

1013.0	1016.1.2	1017.0
1016.0	1016.2	1017.1
1016.1	1016.3	1017.2
1016.1.1		

The Department proposes to continue the non-adoption of the above-listed **model code** sections.

CHAPTER 11. STORM DRAINAGE

The Department proposes the adoption of the 2003 UPC, Chapter 11, with the **California amendments** indicated below, and on the attached matrix table.

Sections: 1101.1.1 1101.5.1.1

The Department proposes to continue the adoption of the above-listed, existing **California amendments**, with modifications. The modified text changes the reference from “Administrative Authority” to “Enforcing Agency”. The reference, within the paragraph of the exception, was necessary as a result of the model code’s repeal of the definition of “Administrative Authority” and HCD’s definition of “Enforcing Agency”.

Sections: 1101.3.1 1102.1.2

The Department proposes to continue the adoption of the above-listed, existing **California amendments**, with modifications. The modification to the text is consistent with the Department’s interpretation of prior code language. The language provides clarity, and specificity, for the code user and has no regulatory effect.

Sections: 1101.1 1101.3 1101.5.1

The Department proposes the non-adoption of the above-listed **model code** sections. However, the Department proposes a new banner, with the text “Not Adopted by HCD” that provides clarity to the user regarding HCD’s application of this section.

CHAPTER 12. FUEL PIPING

The Department proposes the adoption of the 2003 UPC, Chapter 12, with the **California amendments** indicated below, and on the attached matrix table.

Section: 1216.4

The Department proposes the non-adoption of the above-listed, **model code** section. However, the Department proposes a new banner, with the text “Not Adopted by HCD” that provides clarity to the user regarding HCD’s application of this section.

Section: 1216.4.1

The Department proposes to continue the adoption of the above-listed, existing **California amendment**, with modifications. The text is moved from the middle of section 1216.4 into its own section 1216.4.1, to provide clarity for the code user.

Section: 1216.5

The Department proposes to continue the adoption of the above-listed, existing **California amendment**, with modifications. The section is renumbered, to correlate with the format of the code, to provide clarity for the code user. Language is added to clarify existing law.

CHAPTER 13. HEALTH CARE FACILITIES AND MEDICAL GAS AND VACUUM SYSTEMS

The Department proposes to not adopt Chapter 13 of the 2003, UPC, by reference.

CHAPTER 14. MANDATORY REFERENCED STANDARDS

The Department proposes the adoption of the 2003 UPC, Chapter 14, without **California amendments**, as indicated on the attached matrix table.

CHAPTER 15. FIRESTOP PROTECTION FOR DWV AND STORMWATER APPLICATIONS

The Department proposes the adoption of the 2003 UPC, Chapter 15, with the **California amendments** indicated below, and on the attached matrix table.

Section: 1501.1 1507.1

The Department proposes to not adopt the above-listed **model code** sections. However, the Department proposes a new banner with the text "Not Adopted by HCD" that provides clarity to the user regarding HCD's application of this section.

Sections: 1501.1.1 1507.1.1

The Department proposes the adoption of the new, above-listed **California amendments**. The change in the text's reference from the non-adopted corresponding model code section is necessary to reference California's building code. This modification provides clarity for the code user, and has no regulatory effect.

Section: 1501.2

The Department is proposing to continue the adoption of the **California amendment** listed above, with modifications to correct a section citation to 1107.11.8. This will provide clarity, specificity, and direction to the code users.

APPENDIX A - RECOMMENDED RULES FOR SIZING THE WATER SUPPLY SYSTEM

The Department proposes the adoption of the 2003 UPC, Appendix A, with the **California amendments** indicated below, and on the attached matrix table.

Table A-2

The Department proposes to not adopt "Mobile Home, each (minimum)" in **UPC Table A-2**. This provision is not proposed for adoption, as it is not a building standard and conflicts with existing regulations contained in the CCR, Title 25, Chapter 2 (Mobilehome Parks).

Additionally, the proposed modification to UPC Table A-2 adds a note that provides clarity, specificity, and direction to the code users. The modifications clarify, and make specific, the application of [HCD 1 and HCD 2] authority.

APPENDIX B - EXPLANATORY NOTES ON COMBINATION WASTE AND VENT SYSTEMS

The Department proposes to not adopt Appendix B of the 2003 UPC, by reference.

APPENDIX D - SIZING STORMWATER DRAINAGE SYSTEMS

The Department proposes the adoption of the entire Appendix D of the 2003 UPC Sections, without amendments, as indicated on the attached matrix table.

APPENDIX E - MANUFACTURED/MOBILE HOME PARKS AND RECREATIONAL VEHICLE PARKS

The Department proposes to not adopt Appendix E of the 2003 UPC, as it is not a building standard, and conflicts with existing regulations contained in CCR, Title 25, Chapter 2 (Mobilehome Parks), and proposed regulations to SOPA, CCR Title 25.

APPENDIX F – Reserved

APPENDIX G - GRAYWATER SYSTEMS FOR SINGLE FAMILY DWELLINGS

The Department proposes to not adopt Appendix G of the 2003 UPC, by reference.

APPENDIX H - PROCEDURES FOR SIZING COMMERCIAL KITCHEN GREASE INTERCEPTORS

The Department proposes the adoption of the entire Appendix H, 2003 UPC Sections, without amendments, as indicated on the attached matrix table.

APPENDIX I - INSTALLATION STANDARDS

The Department proposes the adoption of the entire Appendix I, 2003 UPC, with amendments, as indicated on the attached matrix table.

Sections:

301.0.1	301.0.2	301.0.2.2
301.0.1.1	301.0.2.1	

The Department proposes to continue the adoption of the above-listed, **California amendments**, without modifications.

Section: 301.0

The Department proposes to continue the adoption of the above-listed **California amendment**, with modifications. The font is modified and relocated for consistency in formatting with the code. The modification provides clarity for the code user.

APPENDIX J - RECLAIMED WATER SYSTEMS FOR NON-RESIDENTIAL BUILDINGS

The Department proposes to not adopt Appendix J of the 2003 UPC.

APPENDIX K - PRIVATE SEWAGE DISPOSAL SYSTEMS

The Department proposes the adoption of the entire Appendix K, 2003 UPC Sections, without amendments, as indicated on the attached matrix table.

APPENDIX L - ALTERNATE PLUMBING SYSTEMS

The Department proposes to not adopt Appendix L, 2003 UPC sections, by reference.

DETERMINATIONS

The following identifies each technical, theoretical, and empirical study, report, or similar document upon which the Department relied in proposing these adoptions, amendments, or repeal actions:

1999 IAPMO Report on Proposals
2001 IAPMO Report on Proposals
2002 IAPMO Report on Proposals

ALTERNATIVES TO THE REGULATION

There were no alternatives to these regulations available to the Department. The Department is required by statute to adopt these model codes by reference.

ALTERNATIVES THE (AGENCY) HAS IDENTIFIED THAT WOULD LESSEN ANY ADVERSE IMPACT ON SMALL BUSINESS

The Department has determined that this regulatory action will have no significant adverse economic impact on California business enterprises and individuals, including the ability of California businesses to compete with businesses in other states. (See *Economic Impact of the Proposed Plumbing Code Regulations on Private Persons and Businesses in the State of California* in the rulemaking file.)

FACTS, EVIDENCE, DOCUMENTS, TESTIMONY, OR OTHER EVIDENCE OF NO SIGNIFICANT ADVERSE ECONOMIC IMPACT ON BUSINESS

None.

DUPLICATION OR CONFLICTS WITH FEDERAL REGULATIONS

These regulations neither duplicate nor conflict with federal regulations.

EFFECT ON PRIVATE PERSONS

The Department has determined that no alternative which was considered would be more effective than, or equally as effective as and less burdensome to affected private persons, than the proposed regulations.

Set forth below are the alternatives which were considered and the reasons each alternative was rejected:

There are no alternatives available to the Department. The Department is required by statute to adopt these model codes. (See *Economic Impact of the Proposed Plumbing Code Regulations on Private Persons and Businesses in the State of California* in the rulemaking file.)

SPECIFIC TECHNOLOGY OR EQUIPMENT

None.